

HCD-HPX9

SERVICE MANUAL

Ver. 1.5 2005.02

US Model
Canadian Model
E Model
Australian Model



HCD-HPX9 is the amplifier, CD player, tape deck and tuner section in CMT-HPX9.

CD Section	Model Name Using Similar Mechanism	NEW
	CD Mechanism Type	CDM82A-F1BD81
	Base Unit Name	BU-F1BD81A
	Optical Pick-up Block Name	KSM-215DCP
Tape deck Section	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	CMAL5Z225A

SPECIFICATIONS

Main unit

Amplifier section

For the United States model

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 6-ohm loads, both channels driven, from 120 – 10,000 Hz: rated 75 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.

North American model:

Continuous RMS power output (reference):

80 + 80 W
(6 ohms at 1 kHz, 10% THD)

Other models:

The following measured at AC 240 V, AC 220 V or AC 120 V

DIN power output (rated): 53 + 53 W
(6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):

70 + 70 W
(6 ohms at 1 kHz, 10% THD)

Inputs

MD/VIDEO: Sensitivity 450/250 mV, impedance 47 kilohms

Outputs

PHONES: Accepts headphones with an impedance of 8 ohms or more.

SPEAKER:

Accepts impedance of 6 to 16 ohms.

Other models:

530 – 1,710 kHz
(with the tuning interval set at 10 kHz)
531 – 1,602 kHz
(with the tuning interval set at 9 kHz)
Antenna AM loop antenna, external antenna terminal
Intermediate frequency 450 kHz

CD player section

Laser

Semiconductor laser
($\lambda=780$ nm)
Emission duration: continuous

Frequency response

20 Hz – 20 kHz

Tape deck section

Recording system

4-track 2-channel, stereo
50 – 13,000 Hz (± 3 dB), using Sony TYPE I cassettes

Frequency response

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5 – 108.0 MHz

Antenna

FM lead antenna

Antenna terminals

75 ohms unbalanced

Intermediate frequency

10.7 MHz

AM tuner section

Tuning range

Pan-American model: 530 – 1,710 kHz
(with the tuning interval set at 10 kHz)
531 – 1,710 kHz
(with the tuning interval set at 9 kHz)

General

Power requirements

North American model: 120 V AC, 60 Hz
Australian model: 230 – 240 V AC, 50/60 Hz
Argentine model: 220 V AC, 50/60 Hz
Korea model: 220 V AC, 60 Hz
Saudi Arabian model: 120 – 127/220 or 230 – 240 V AC, 50/60 Hz

Adjustable with voltage selector

Other models: 120 V, 220 V or 230 – 240 V AC, 50/60 Hz
Adjustable with voltage selector

Power consumption

North American model: 120 W
Other models: 105 W

Design and specifications are subject to change without notice.

COMPACT DISC DECK RECEIVER

9-877-809-06
2005B16-1
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Personal Audio Group
Published by Sony Engineering Corporation

SONY®

TABLE OF CONTENTS

1. SERVICING NOTES	4	4-3. Assembling of the Gear (Stock Rot Short) (Right)	42
2. GENERAL	5	4-4. Assembling of the Gear (Stock Rot Long) (Left)	43
3. DISASSEMBLY		4-5. Confirming the Assembling of the Stocker Section	44
3-1. Disassembly Flow-1	7	4-6. Assembling of the Gear (Stock Rotary Left)	45
3-2. Disassembly Flow-2	8	4-7. Assembling of the Gear (Stock Rotary Right)	46
3-3. Optical Pick-Up Block	9	4-8. Assembling of the Lever (Sub Gear Back L)	47
3-4. Side Plate (L) (R), Top Panel Section	10	4-9. Assembling of the Gear (Sub Gear Pin Right)	48
3-5. Mechanical Deck	11	4-10. Assembling of the Lever (Sub Gear Back R)	49
3-6. Front Panel Section	12	4-11. Assembling of the Sub Gear (Idler)	50
3-7. PANEL (1), (2) Board, HEADPHONE Board	12	4-12. Assembling of the Sub Gear (2 Step)	51
3-8. Tuner (FM/AM), Dc Fan	13	4-13. Confirming the Assembling of the Arm Section	52
3-9. MAIN Board	14	5. TEST MODE	53
3-10. Rear Panel Section	14	6. ELECTRICAL ADJUSTMENTS	55
3-11. AMP Board, Switching Regulator	15	7. DIAGRAMS	
3-12. POWER Board	15	7-1. Block Diagrams – CD Servo Section –	59
3-13. CD Mechanism Deck (CDM82A)	16	7-2. Block Diagrams – MAIN Section –	60
3-14. Plate (Cover Top)	17	7-3. Block Diagrams	
3-15. Top Section	17	– PANEL/POWER SUPPLY Section –	61
3-16. Arm Section	18	7-4. Printed Wiring Board – CD Board –	62
3-17. CD Mechanism Deck Section	19	7-5. Schematic Diagram – CD Board –	63
3-18. Sub Gear (2 Step), Sub Slider Assy	20	7-6. Printed Wiring Board – CD MECHANISM Section –	64
3-19. Arm (R)	21	7-7. Schematic Diagram – CD MECHANISM Section –	65
3-20. Gear (Stock Planet) (Right)	22	7-8. Printed Wiring Board – MAIN Board –	66
3-21. Lever (Sub Gear Back L)	22	7-9. Schematic Diagram – MAIN Board (1/3) –	67
3-22. Arm (L)	23	7-10. Schematic Diagram – MAIN Board (2/3) –	68
3-23. Gear (Stock Rot Long) (Left)	24	7-11. Schematic Diagram – MAIN Board (3/3) –	69
3-24. Gear (Stock Rot Short) (Right)	24	7-12. Printed Wiring Board – AMP Board –	70
3-25. Stocker (1) Assy To Stocker (5) Assy	25	7-13. Schematic Diagram – AMP Board –	71
3-26. SPR-E (Roller Slider Upper) (Top Section)	26	7-14. Printed Wiring Board – PANEL Section –	72
3-27. Rubber Roller (Top Section)	26	7-15. Schematic Diagram – PANEL Section –	73
3-28. LOD Motor	27	7-16. Printed Wiring Board – POWER Board –	74
3-29. Slider (Push-popup)	27	7-17. Schematic Diagram – POWER Board –	75
3-30. Rotary Encoder	28	8. EXPLODED VIEWS	
3-31. Assembling of the Rotary Encoder	29	8-1. Side Plate, Top Panel Section	83
3-32. ELV Motor	30	8-2. Front Panel Section	84
3-33. Chassis (Top), Chassis (Bottom)	31	8-3. Chassis Section	85
3-34. Lever (Loading R, Loading L)	32	8-4. CD Mechanism Deck Section-1 (CDM82A)	86
3-35. Disc Stop Lever	33	8-5. CD Mechanism Deck Section-2 (CDM82A)	87
3-36. DRIVER Board	33	8-6. CD Mechanism Deck Section-3 (CDM82A)	88
3-37. CD Board (A)	34	8-7. CD Mechanism Deck Section-4 (CDM82A)	89
3-38. Optical Pick-up (KSM-215DCP)	34	8-8. CD Mechanism Deck Section-5 (CDM82A)	90
3-39. Base Unit Section	35	8-9. CD Mechanism Deck Section-6 (CDM82A)	91
3-40. Lever (BU Lock)	35	8-10. CD Mechanism Deck Section-7 (CDM82A)	92
3-41. Gear (IDL-B)	36	8-11. CD Mechanism Deck Section-8 (CDM82A)	93
3-42. Gear (IDL-C)	36	8-12. CD Mechanism Deck Section-9 (CDM82A)	94
3-43. SPR-E (Tako-Back)	37	8-13. CD Mechanism Deck Section-10 (CDM82A)	95
3-44. Plate (Push) Assy	38	8-14. Base Unit Section (BU-F1BD81A)	96
3-45. SPR-P (Lock)	39	9. ELECTRICAL PARTS LIST	97
4. ASSEMBLY			
4-1. Assembly Flow	40		
4-2. Assembling of the Stocker Section	41		

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

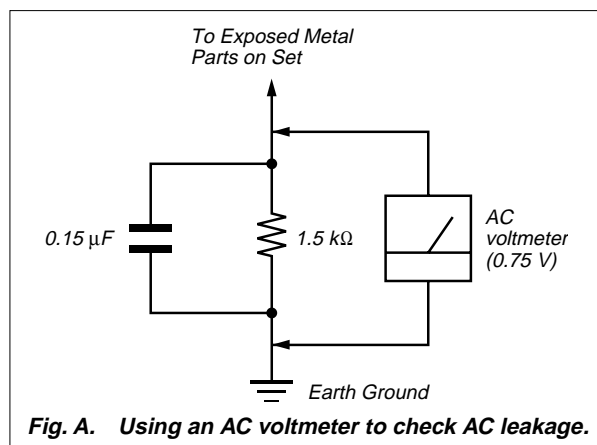
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.

Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE \triangle SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

Notes on chip component replacement

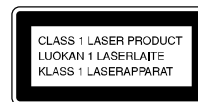
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



This appliance is classified as a CLASS 1 LASER product. This label is located on the rear exterior.

DANGER

INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK IS DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.

DANGER

RADIATION DE LASER INVISIBLE LORS D'OUVERTURE. AVEC L'ENCLÈCHEMENT DE SÉCURITÉ ANNULÉ. ÉVITER L'EXPOSITION DIRECTE AU RAYON.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)



LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
Soldering irons using a temperature regulator should be set to about 350 °C.
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

SECTION 1 SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

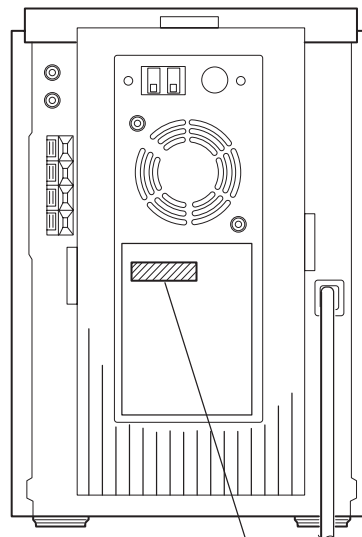
The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Carry out the "S curve check" in "CD section adjustment" and check that the S curve waveforms is output three times.

• MODEL IDENTIFICATION

– Rear View –



*Power requirement
indication*

Model Name	Power Voltage Indication
US, Canadian models	AC: 120 V ~ 60 Hz
Saudi Arabia model	AC: 120 – 127 V/220 or 230 – 240 V ~ 50/60 Hz
Other models	AC: 120 V, 220 V, 230 – 240 V ~ 50/60 Hz
Argentine model	AC: 220 V ~ 50 Hz
Australian model	AC: 230 – 240 V ~ 50/60 Hz

• LOCATION OF CONTROLS

Main unit

ALPHABETICAL ORDER

A - O

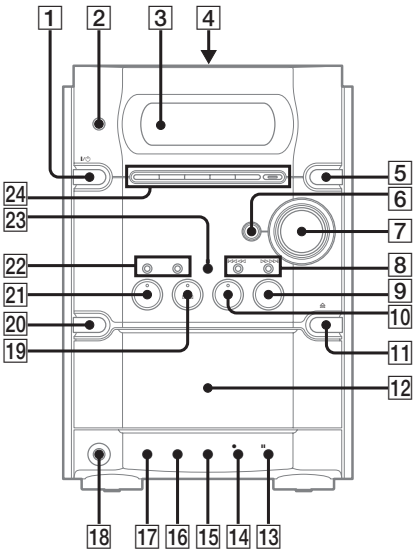
- ALBUM +/- [22] (11, 13)
- Cassette compartment [4]
- CD SYNC [15] (18)
- DISC 1 - 5, +1 [24] (11, 13)
- DISC SKIP [5] (11, 13)
- Disc tray [12] (10)
- Display window [3]
- DSGX [6] (19)
- EX-CHANGE [20] (10)
- FM MODE [16] (16, 27)
- FUNCTION [9] (11, 13, 15, 17, 23)

P - Z

- PHONES jack [18]
- PLAY MODE [17] (11, 13, 18)
- Remote sensor [2]
- REPEAT [16] (12)
- TUNER/BAND [10] (14, 15)
- TUNING +/- [8] (14, 15)
- TUNING MODE [17] (14, 15)
- VOLUME [7] (20, 26)

BUTTON DESCRIPTIONS

- I/⏻ (power) [1] (8, 15, 20, 21, 28)
- ⏮⏮⏮/⏭⏭⏭ (skip back/skip forward, rewind/fast forward) [8] (11, 13)
- [23] (11, 15, 28)
- ⏸ TAPE (pause) [13] (17)
- REC [14] (18)
- CD/▶⏸ (play/pause) [19] (11, 13, 27)
- TAPE/▶ (play) [21] (17)
- ⏏ (CD eject) [11] (10, 11)



Remote control

ALPHABETICAL ORDER

A - O

ALBUM +/- **12** (11, 13)
 CD **17** (11, 13, 15)
 CLEAR **14** (13)
 CLOCK/TIMER SELECT **2**
 (20, 21, 26)
 CLOCK/TIMER SET **3** (9, 20,
 21)
 DISC SKIP **10** (11, 13)
 DISPLAY **20** (16, 22)
 ENTER **9** (9, 13, 20, 21)
 EQ **13** (19)
 FM MODE **4** (16, 27)
 FUNCTION **6** (11, 13, 15, 17,
 23)

P - Z

PLAY MODE **19** (11, 13, 18)
 REPEAT **4** (12)
 SLEEP **21** (19)
 TAPE **16** (17)
 TUNER/BAND **5** (14, 15)
 TUNER MEMORY **18** (14)
 TUNING MODE **19** (14, 15)
 VOLUME +/- **11** (20, 26)

BUTTON DESCRIPTIONS

I/⏻ (power) **1** (8, 15, 20, 21,
 28)
 ◀▶ (rewind/fast forward)
7 (11, 17)
 ◀▶▶▶ (skip back/skip
 forward) **15** (9, 11, 13, 19, 20,
 21)
 ■ (stop) **8** (11, 15, 17, 18, 28)
 || (pause) **8** (11, 17)
 ▶ (play) **8** (11, 13, 17, 27)
 +/- (tuning) **15** (14, 15)

Setting the clock

Use buttons on the remote for the operation.

- 1** Press I/⏻ to turn on the system.
- 2** Press CLOCK/TIMER SET.
- 3** Press ◀▶▶▶ repeatedly to set the hour.
- 4** Press ENTER.
- 5** Press ◀▶▶▶ repeatedly to set the minute.
- 6** Press ENTER.

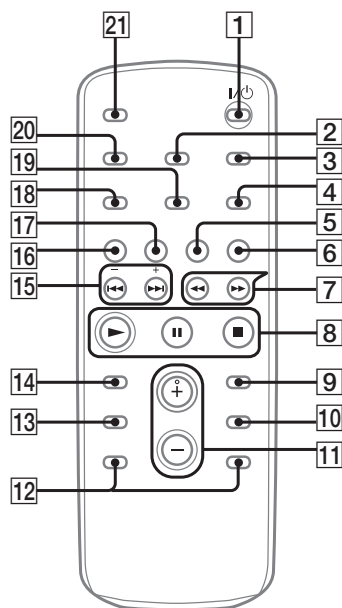
The clock starts working.

To adjust the clock

- 1** Press CLOCK/TIMER SET.
- 2** Press ◀▶▶▶ until "CLOCK SET" appears, then press ENTER.
- 3** Do the same procedures as step 3 to 6 above.

Note

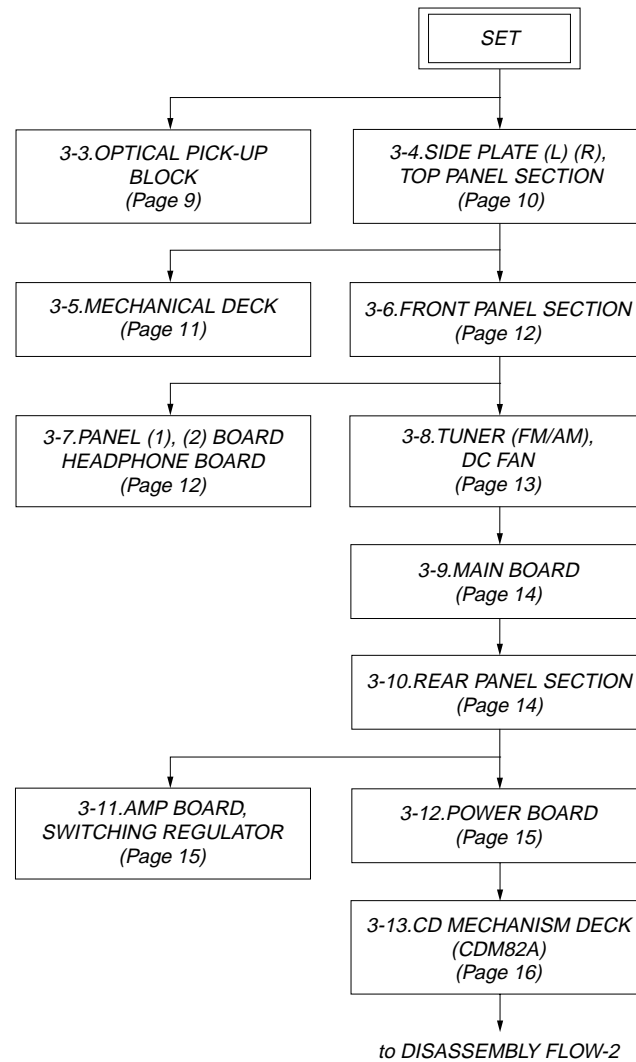
The clock is not displayed in Power Saving Mode



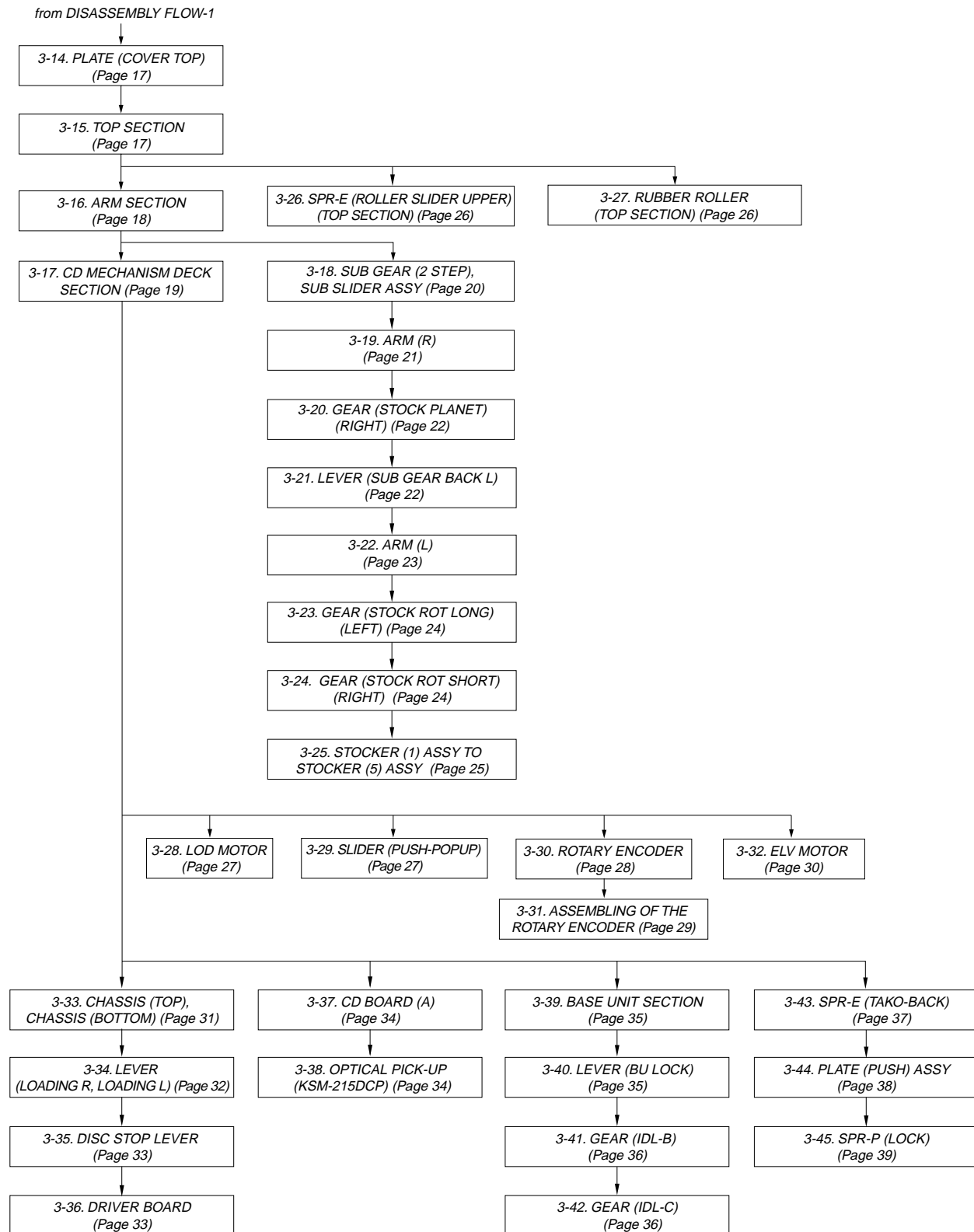
SECTION 3 DISASSEMBLY

- This is can be disassemble according to the following sequence.

3-1. DISASSEMBLY FLOW-1

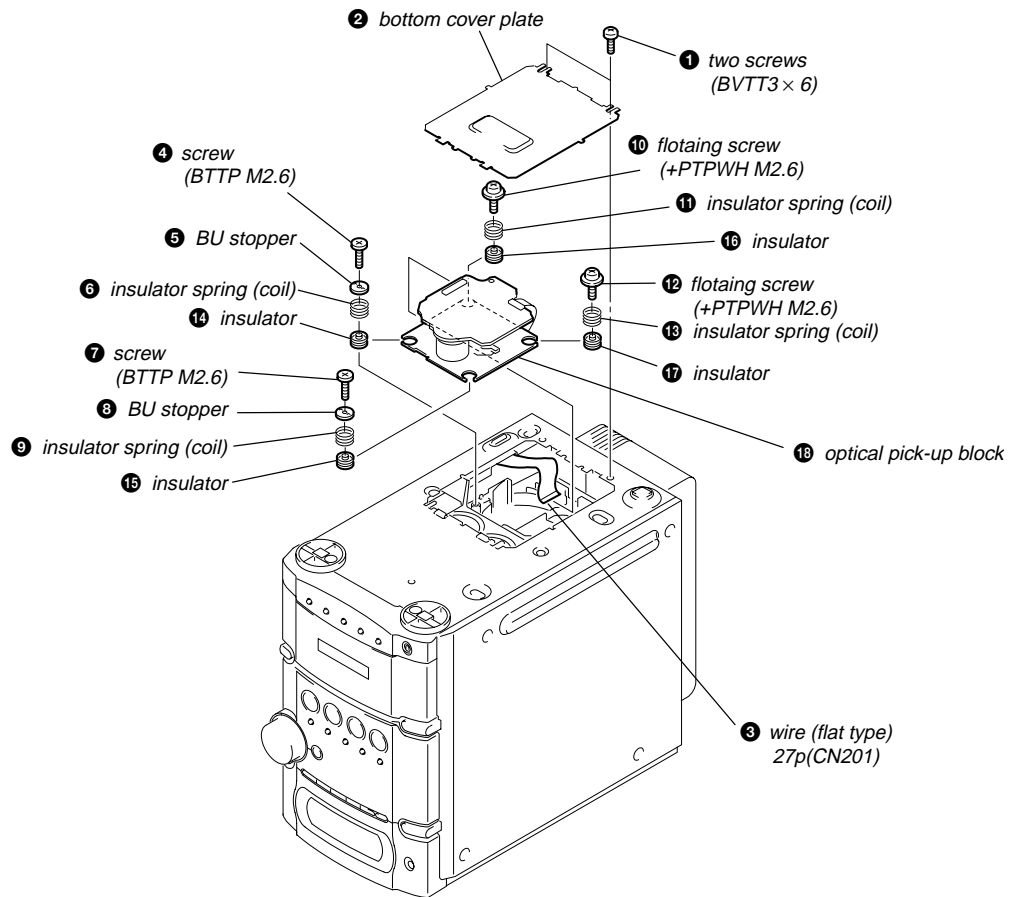


3-2. DISASSEMBLY FLOW-2

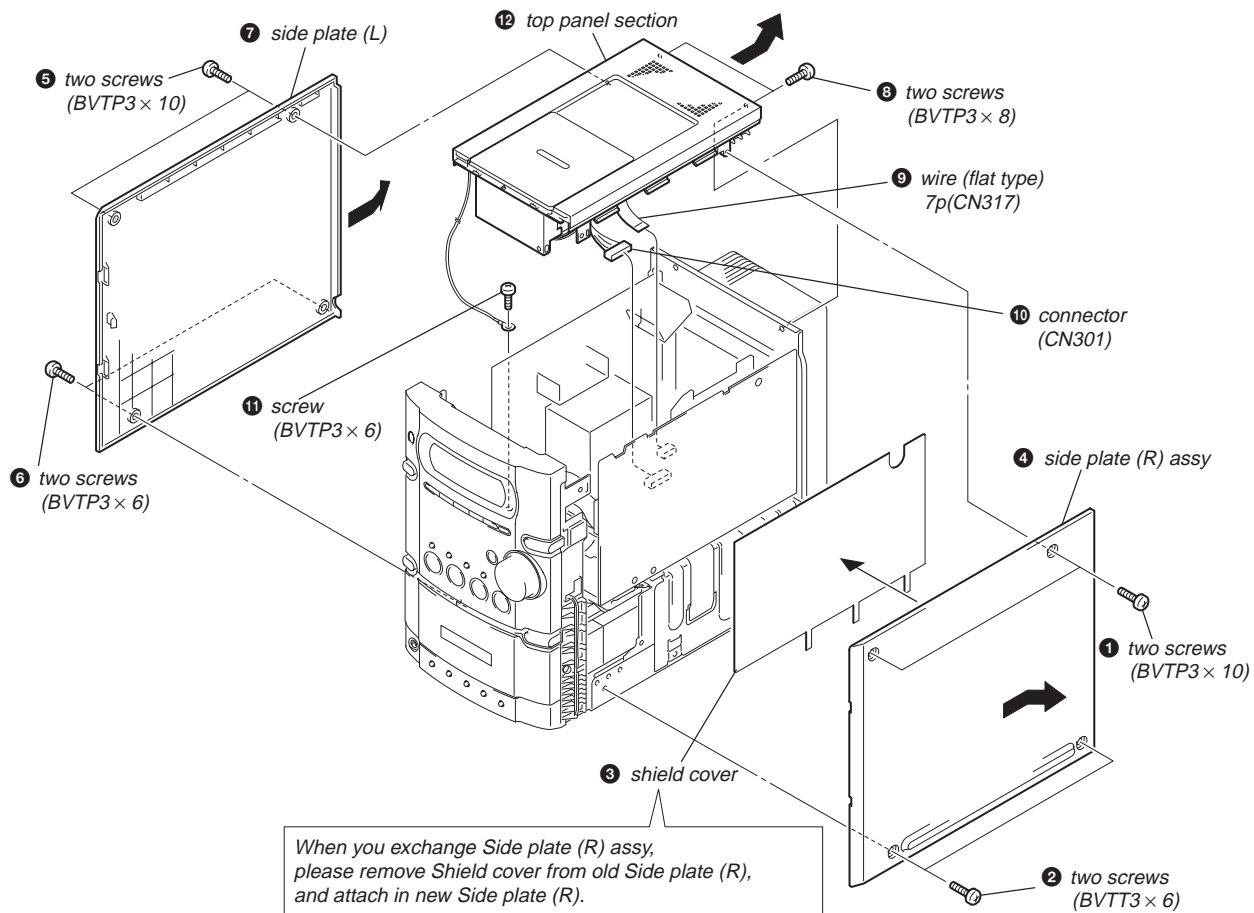


Note: Follow the disassembly procedure in the numerical order given.

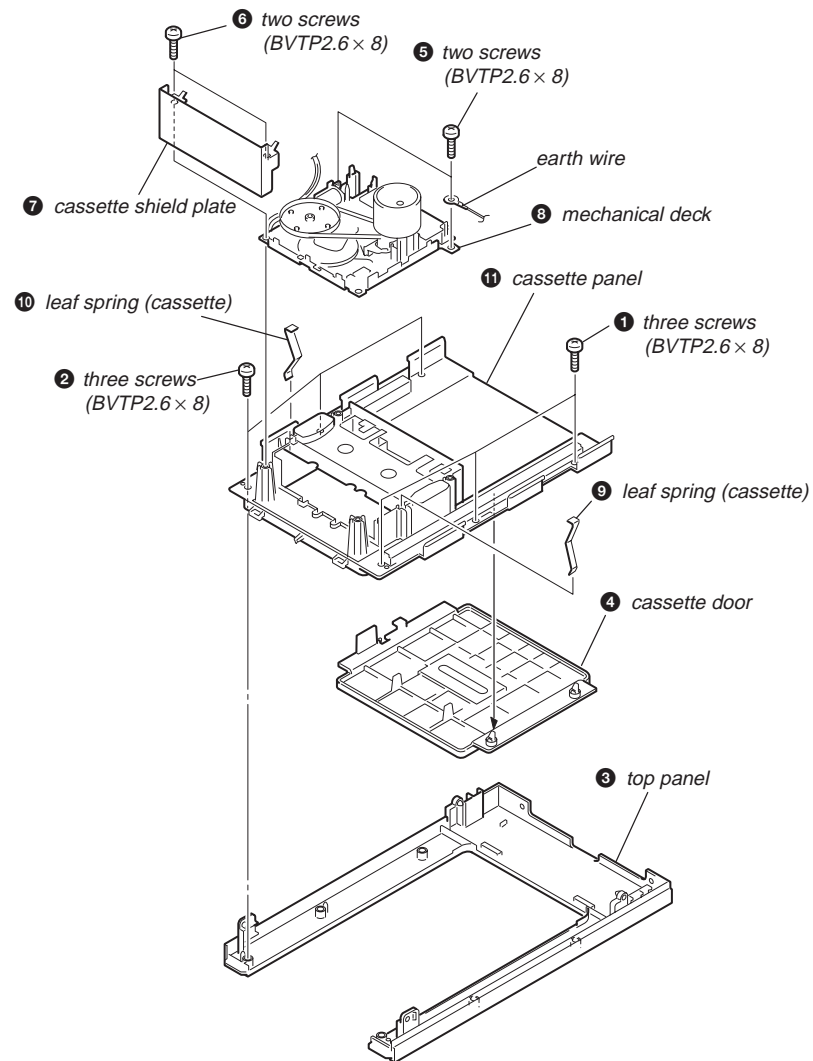
3-3. OPTICAL PICK-UP BLOCK



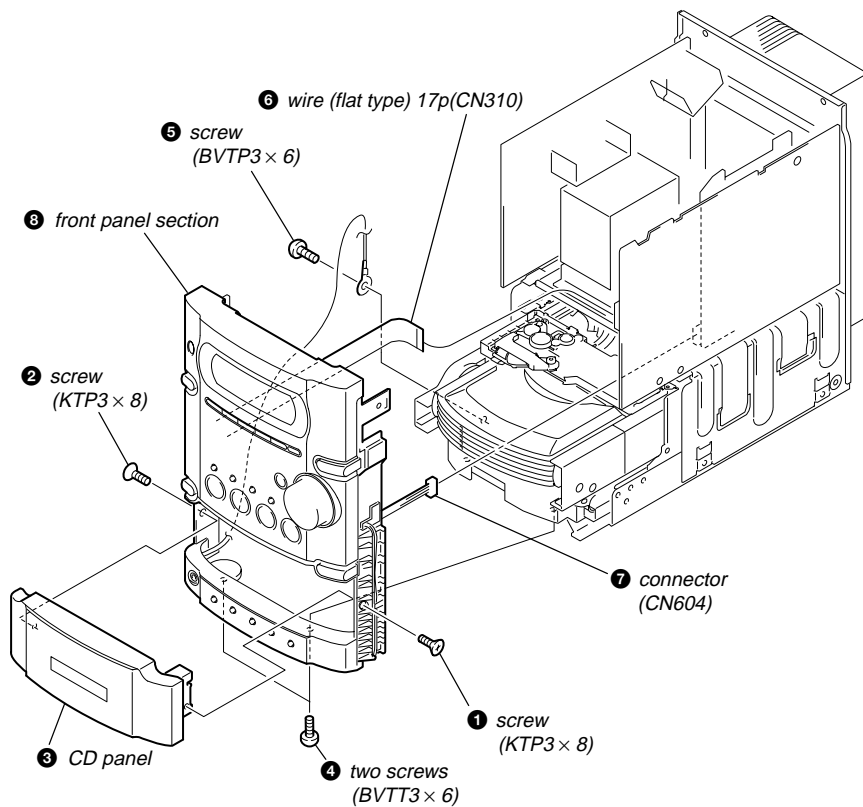
3-4. SIDE PLATE (L) (R), TOP PANEL SECTION



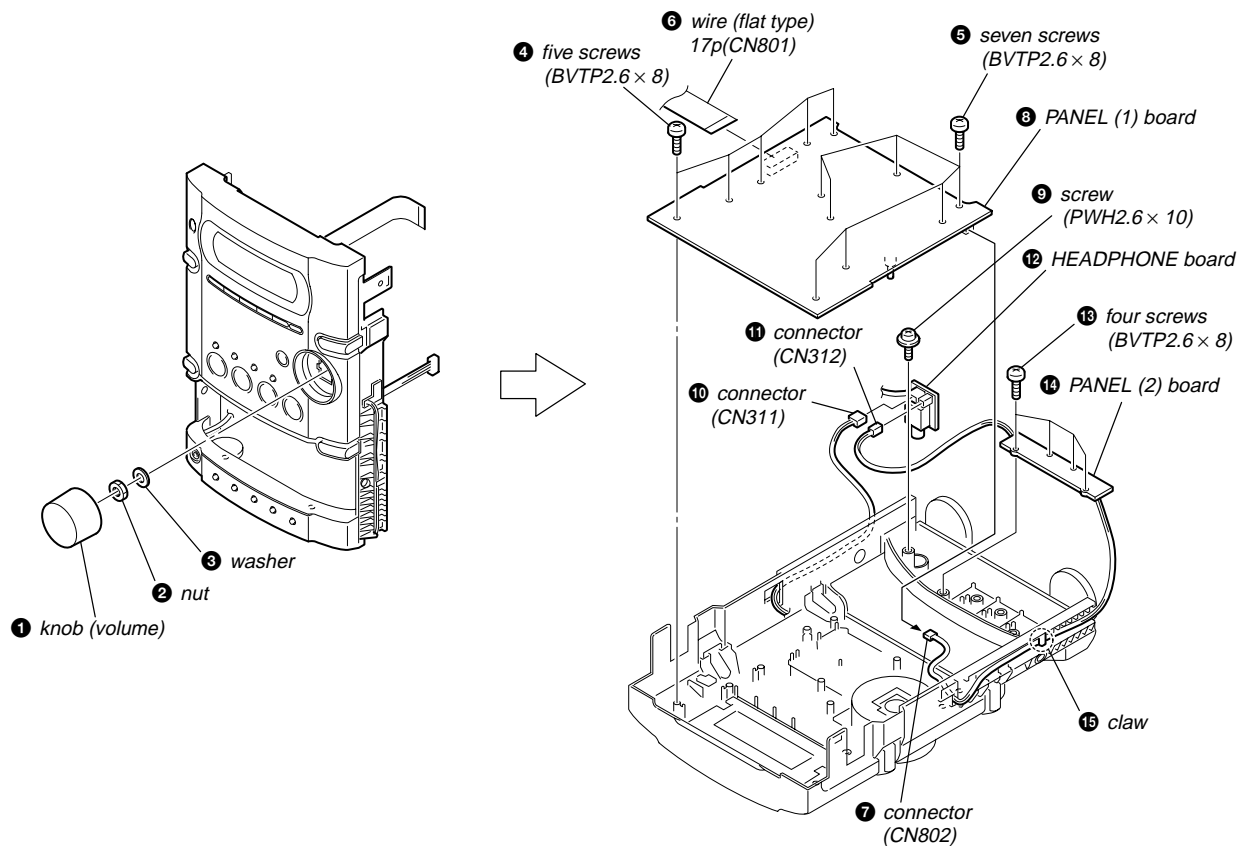
3-5. MECHANICAL DECK



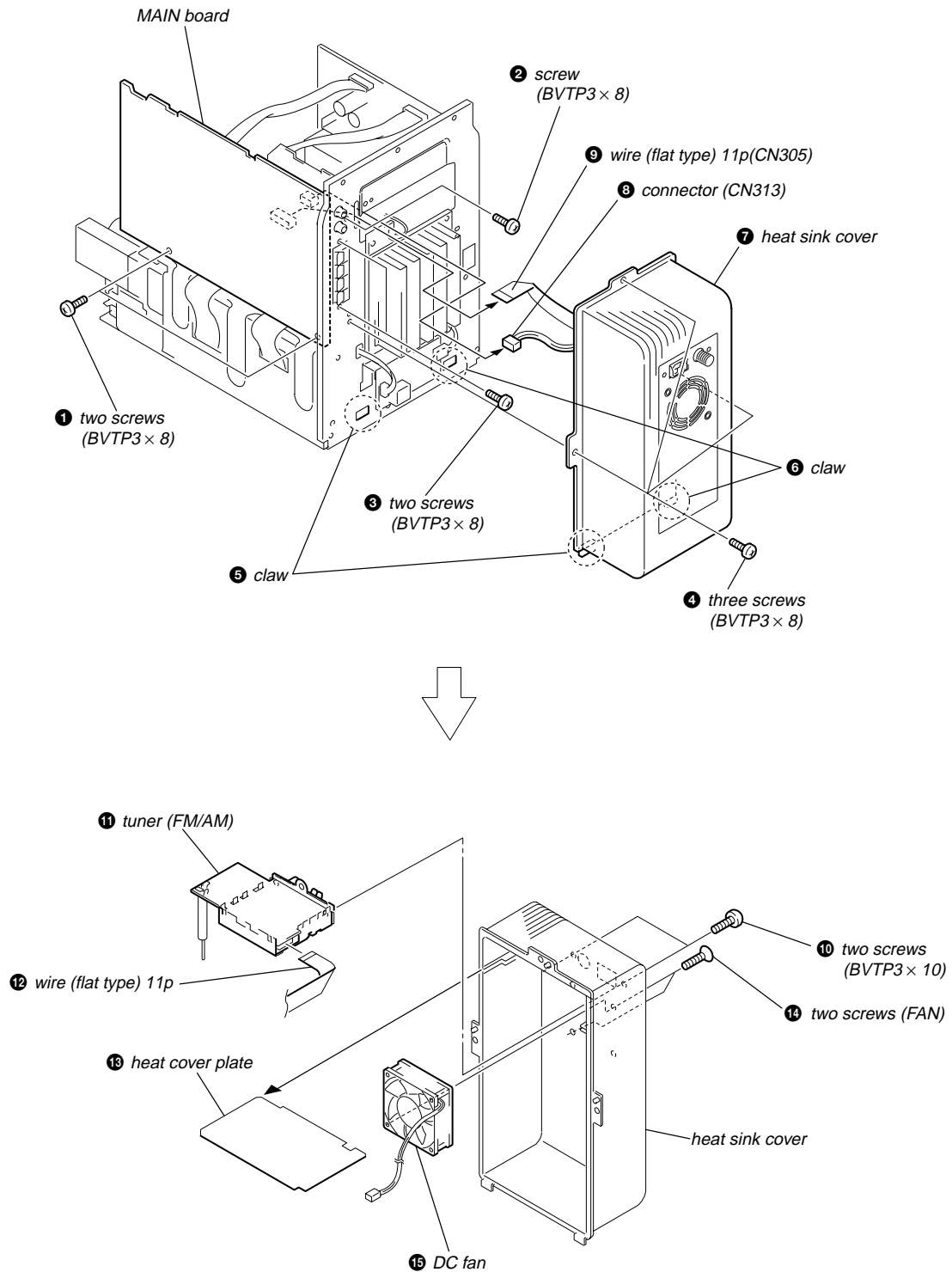
3-6. FRONT PANEL SECTION



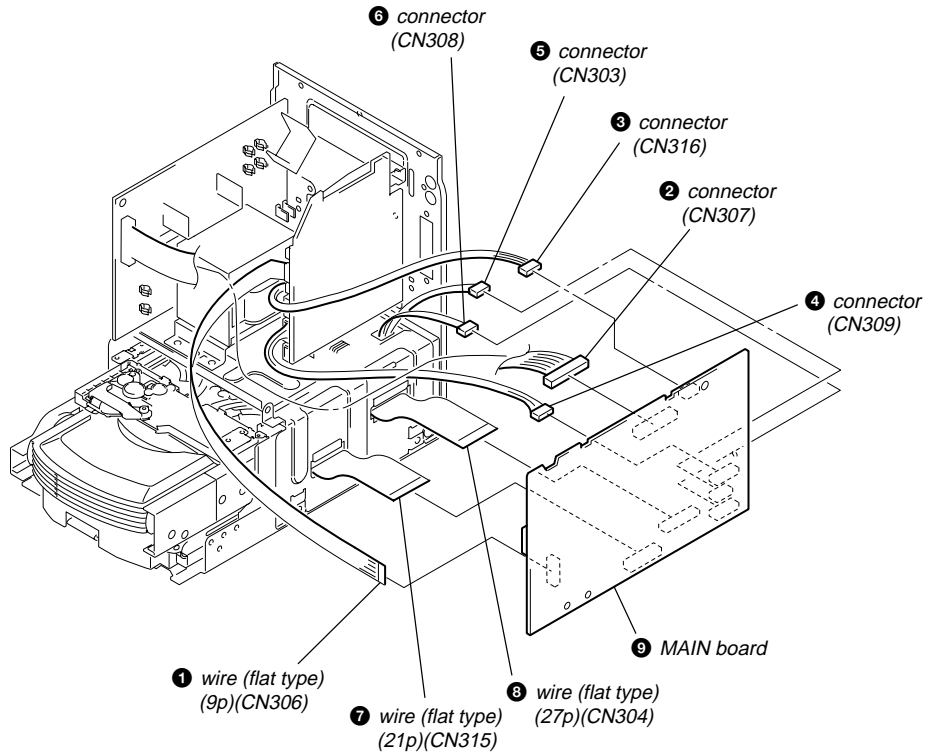
3-7. PANEL (1), (2) BOARD, HEADPHONE BOARD



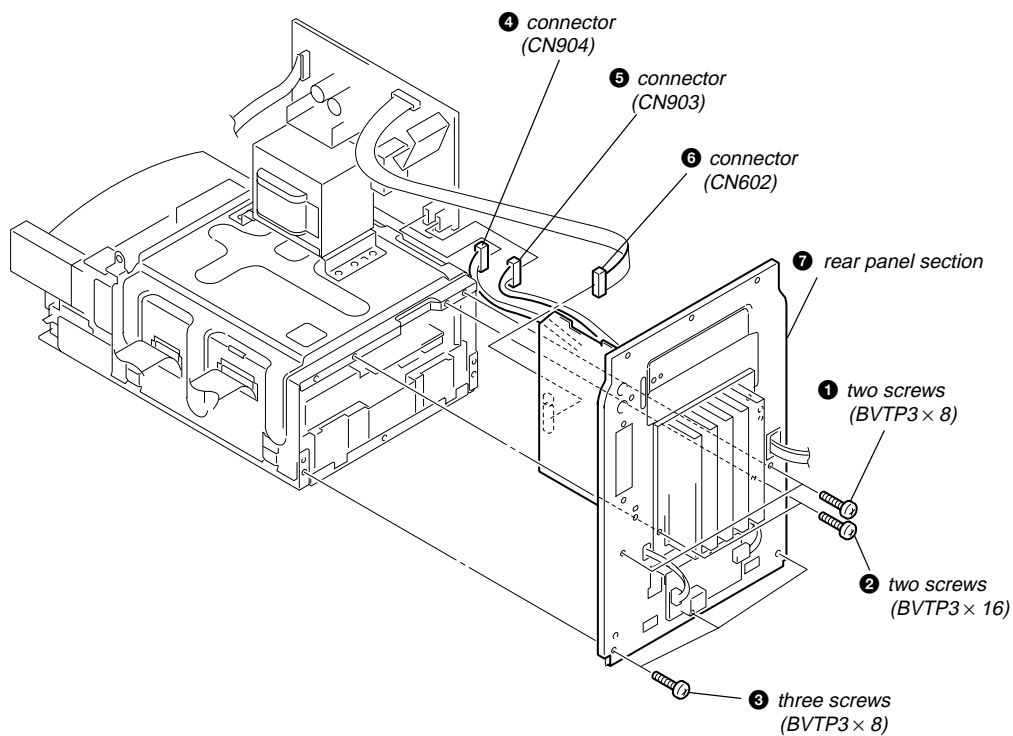
3-8. TUNER (FM/AM), DC FAN



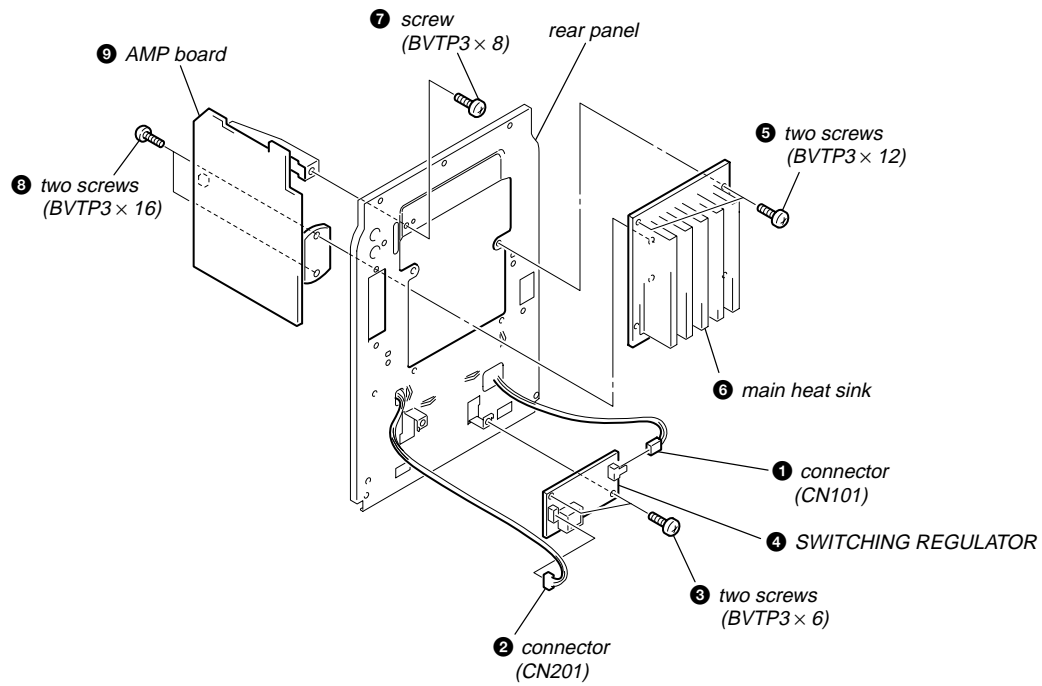
3-9. MAIN BOARD



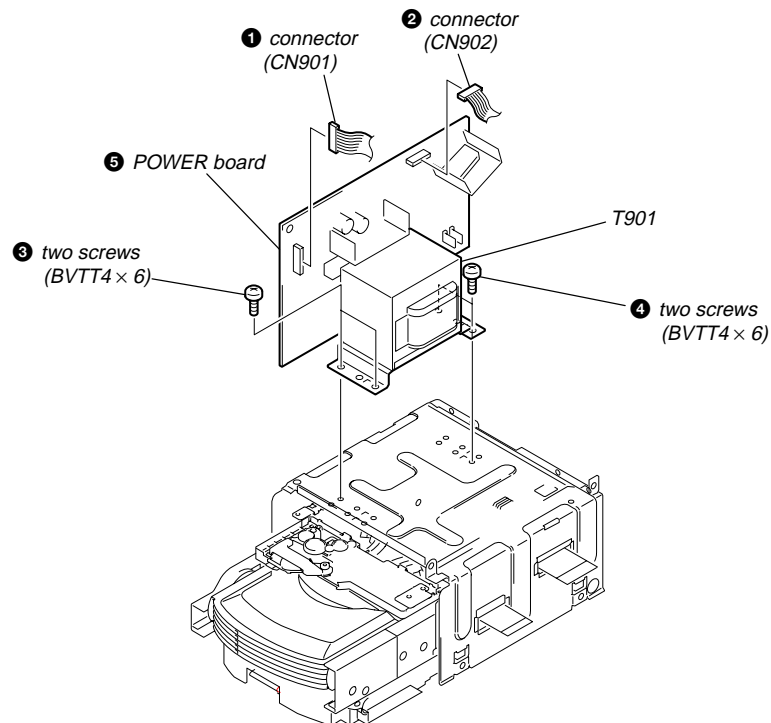
3-10. REAR PANEL SECTION



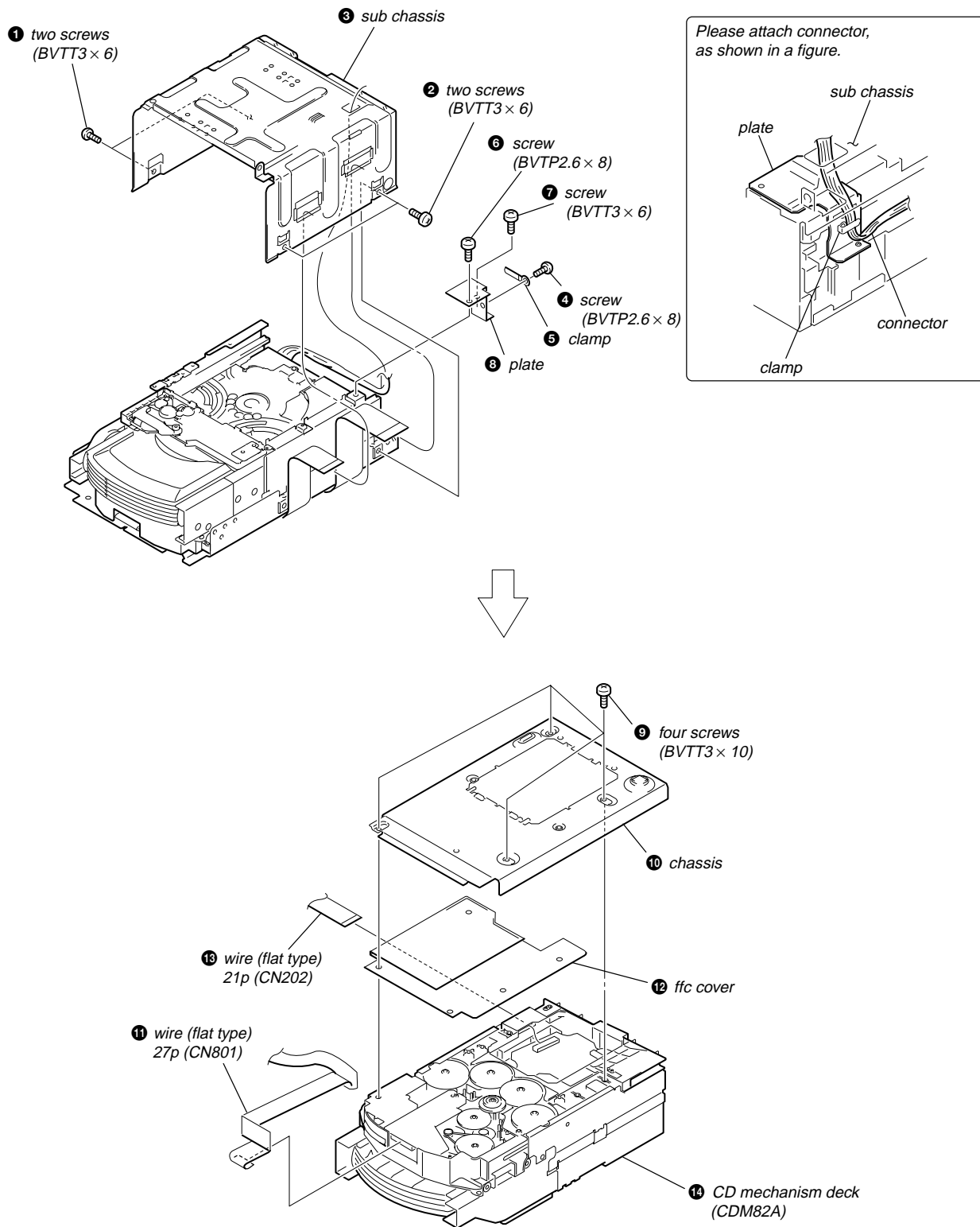
3-11. AMP BOARD, SWITCHING REGULATOR



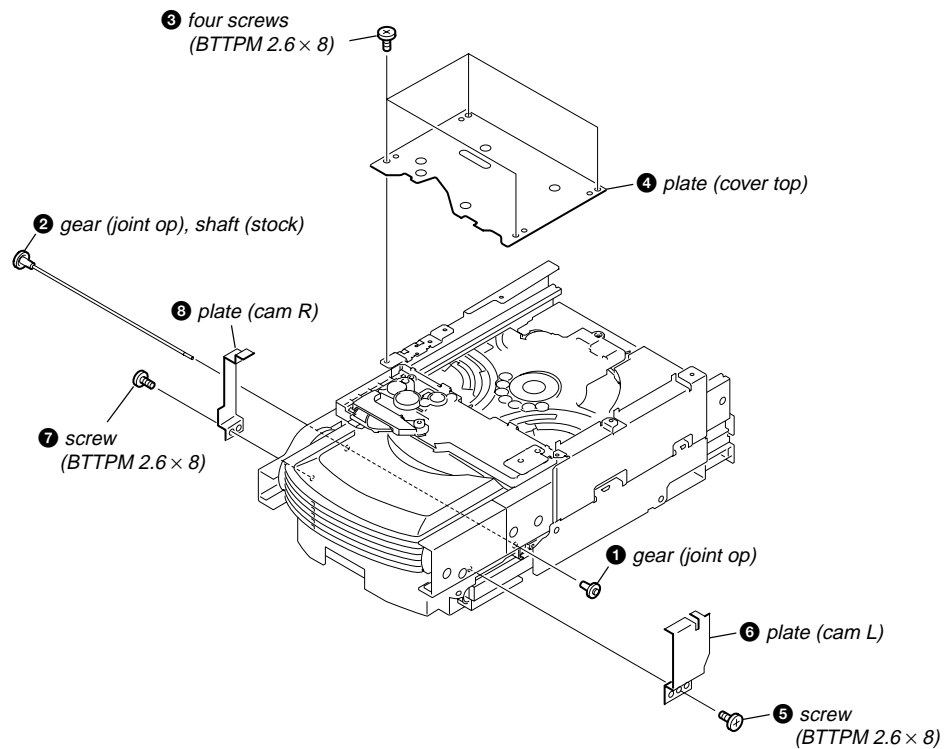
3-12. POWER BOARD



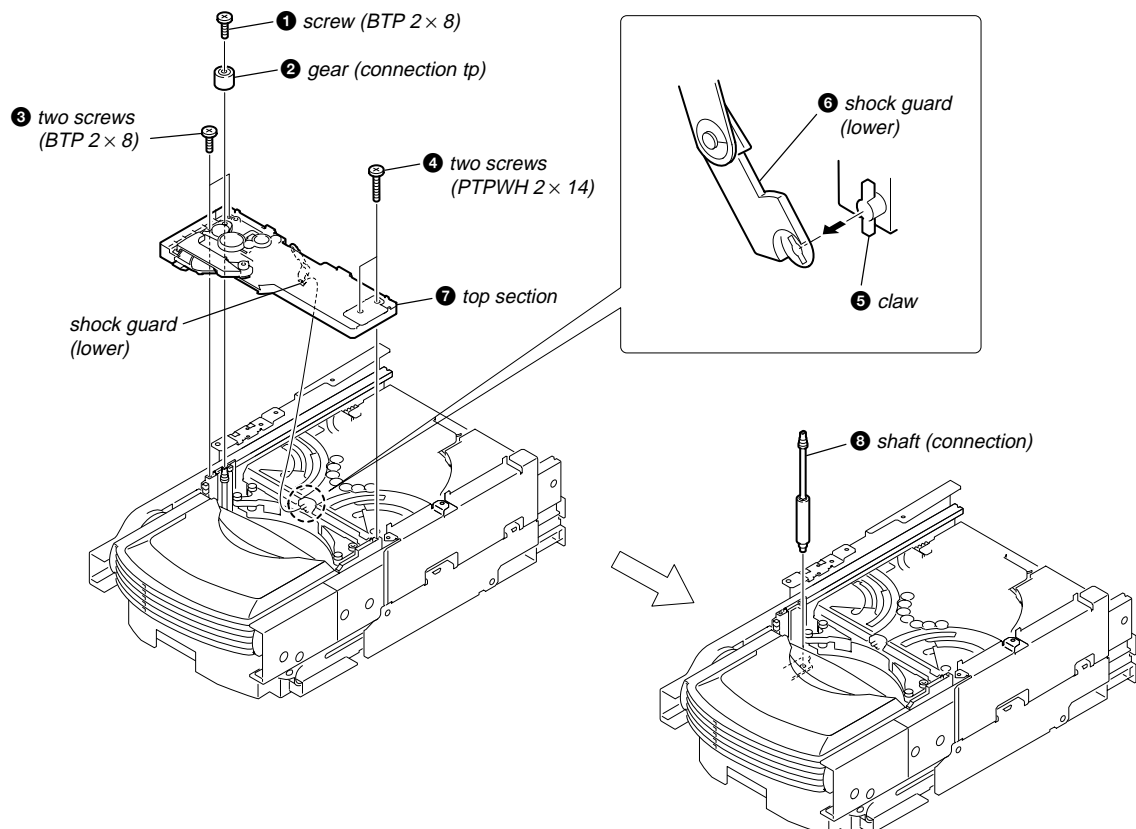
3-13. CD MECHANISM DECK (CDM82A)



3-14. PLATE (COVER TOP)

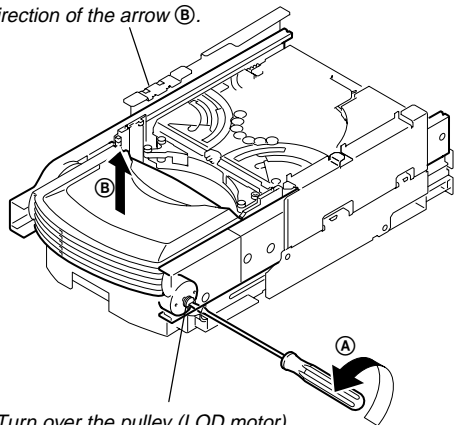


3-15. TOP SECTION



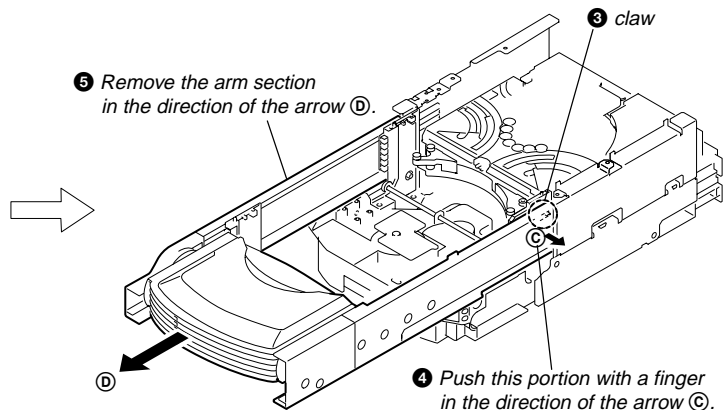
3-16. ARM SECTION

- ② Slide the arm section in the direction of the arrow ⑥.



- ① Turn over the pulley (LOD motor) in the direction of the arrow ①.

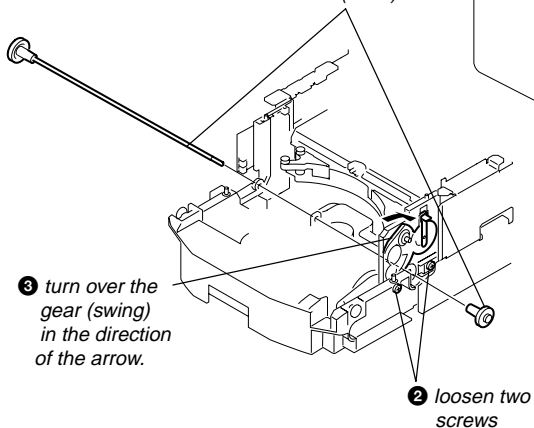
- ⑤ Remove the arm section in the direction of the arrow ⑤.



- ④ Push this portion with a finger in the direction of the arrow ④.

PRECAUTION DURING ARM SECTION INSTALLATION

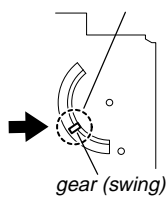
- ① gear (joint op), two shaft (shaft) stocks



- ③ turn over the gear (swing) in the direction of the arrow.

- ② loosen two screws

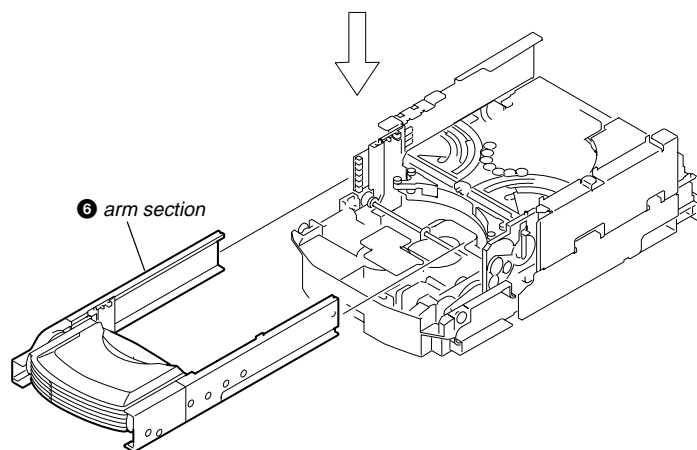
- ⑥ Push this portion with a finger in the direction of the arrow ⑥.



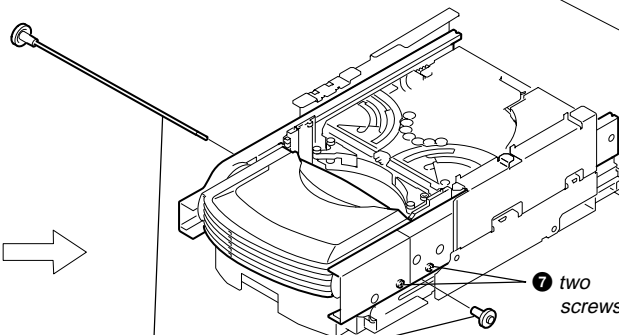
gear (swing)

⑤ arm section

④ two claws



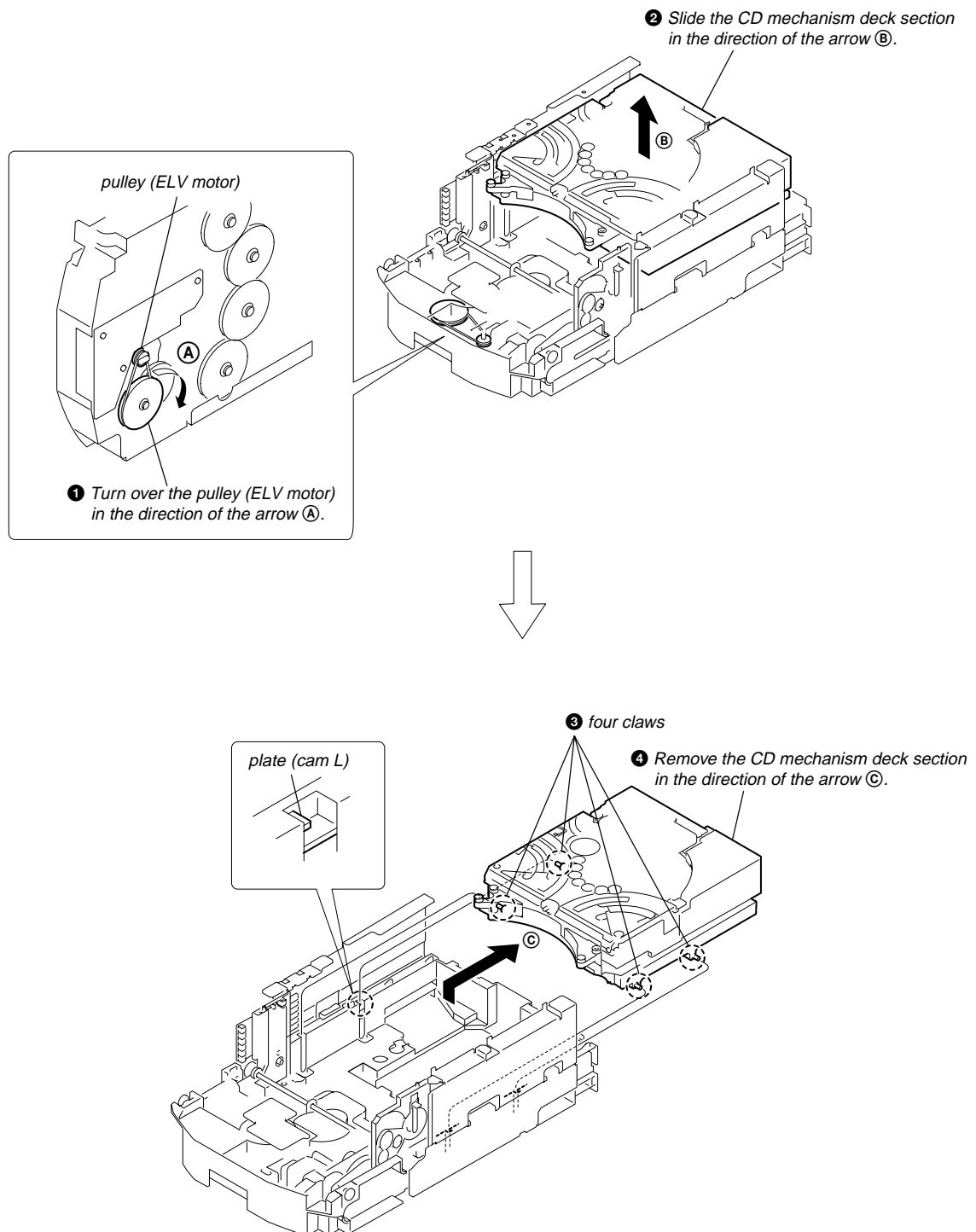
⑥ arm section



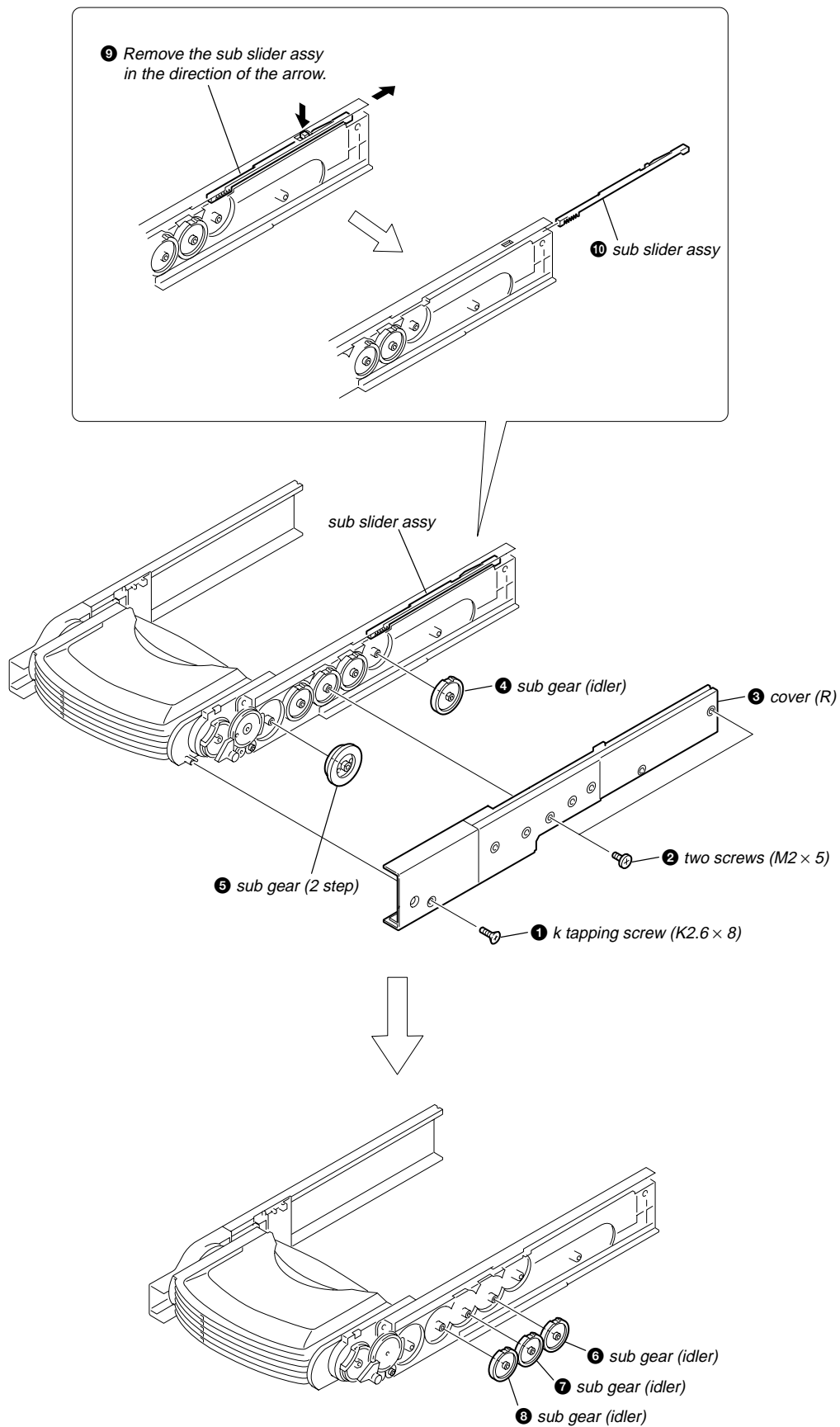
⑦ two screws

⑧ gear (joint op), two shaft (shaft) stocks

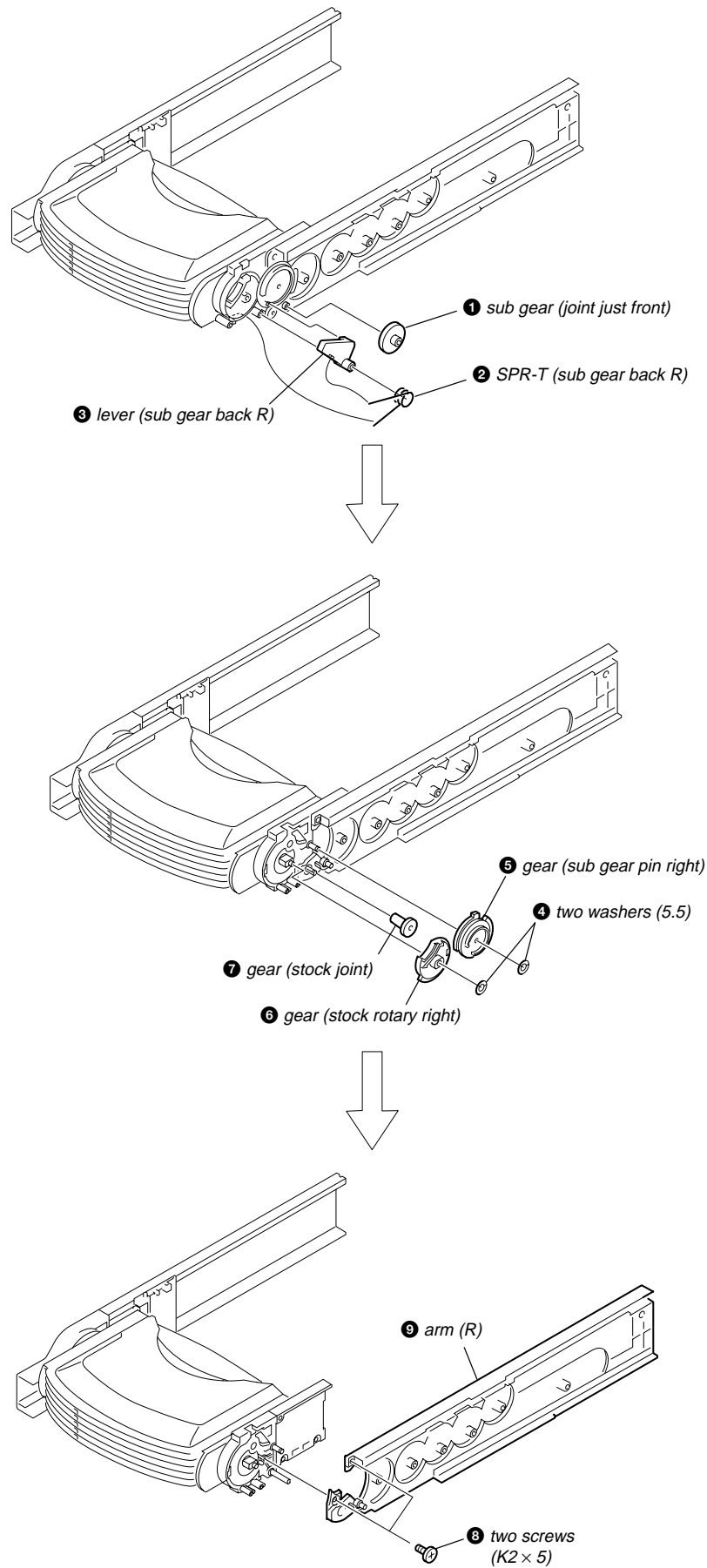
3-17. CD MECHANISM DECK SECTION



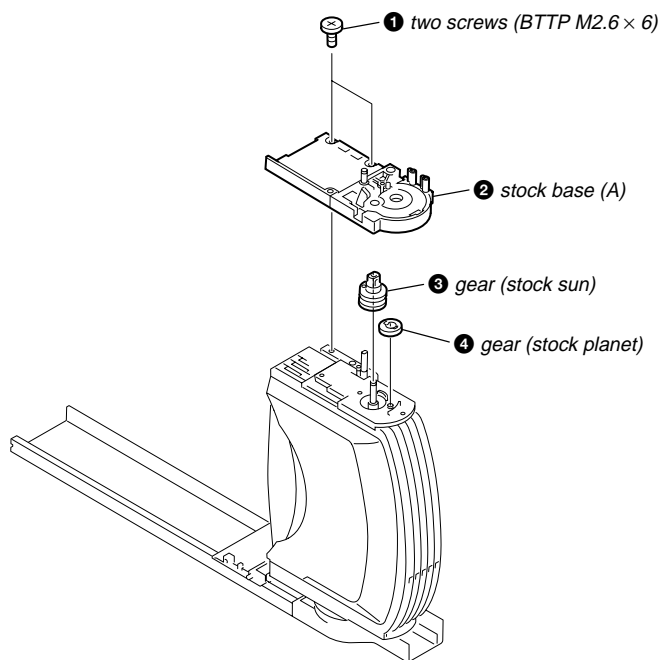
3-18. SUB GEAR (2 STEP), SUB SLIDER ASSY



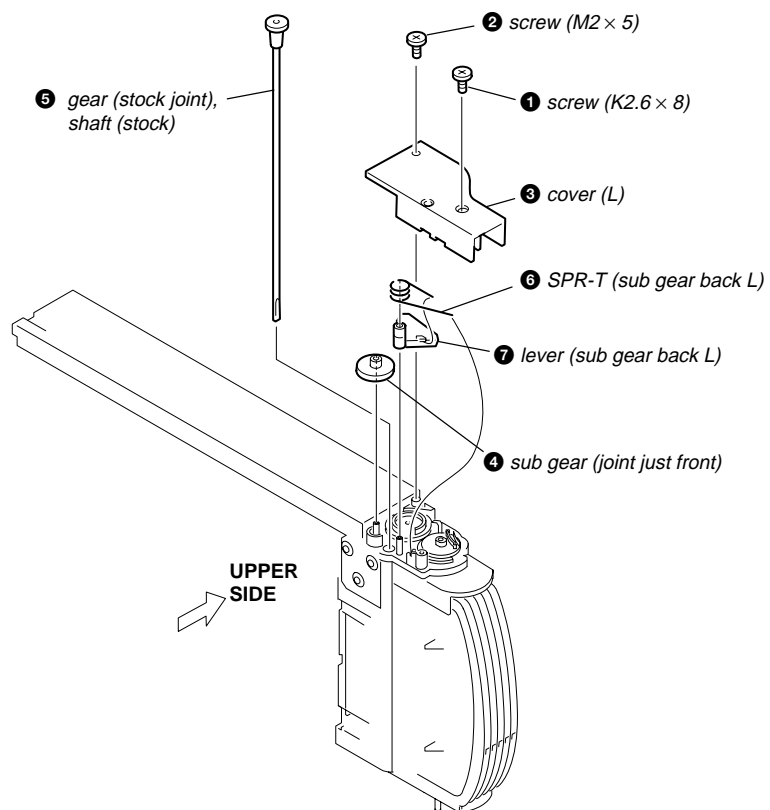
3-19. ARM (R)



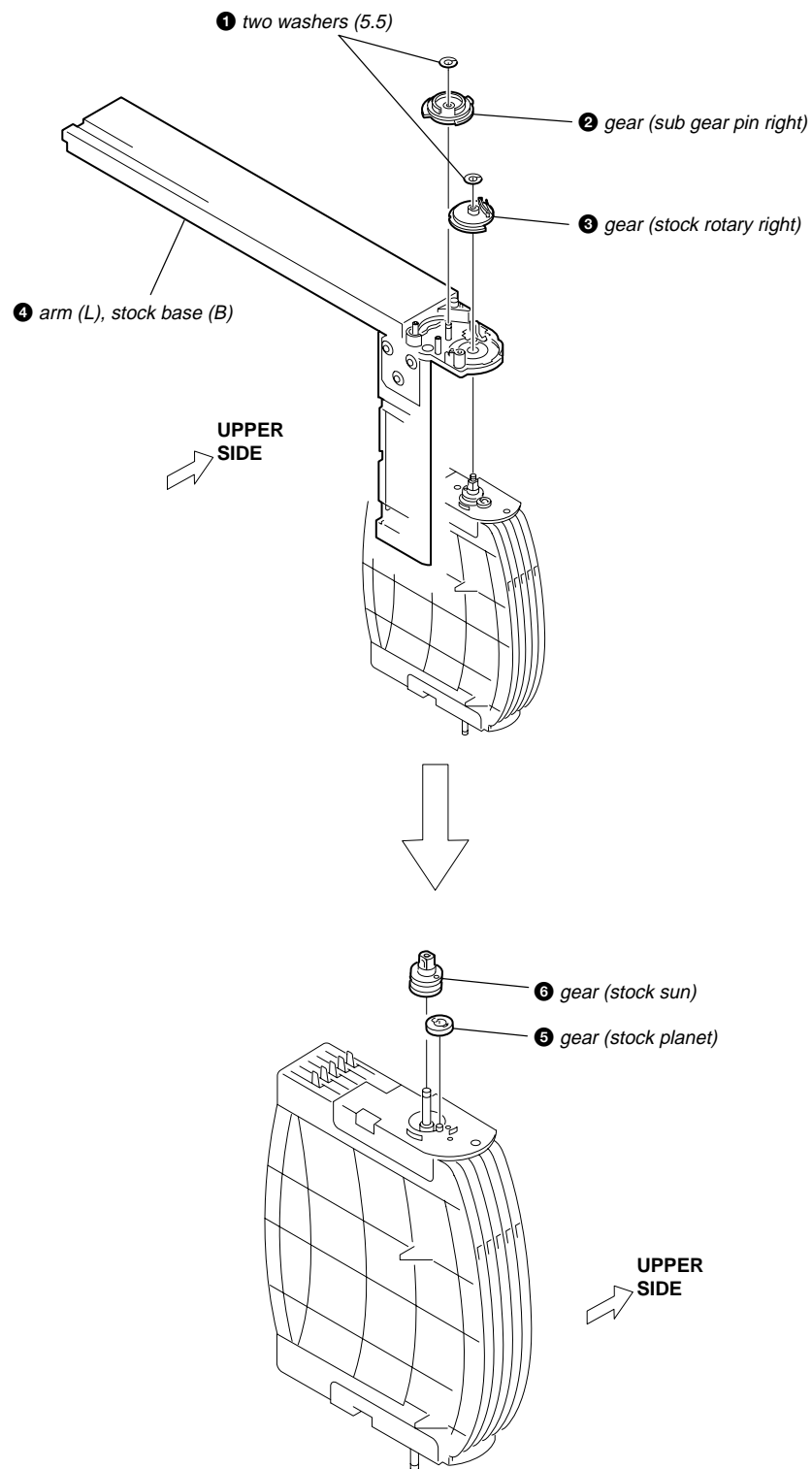
3-20. GEAR (STOCK PLANET) (RIGHT)



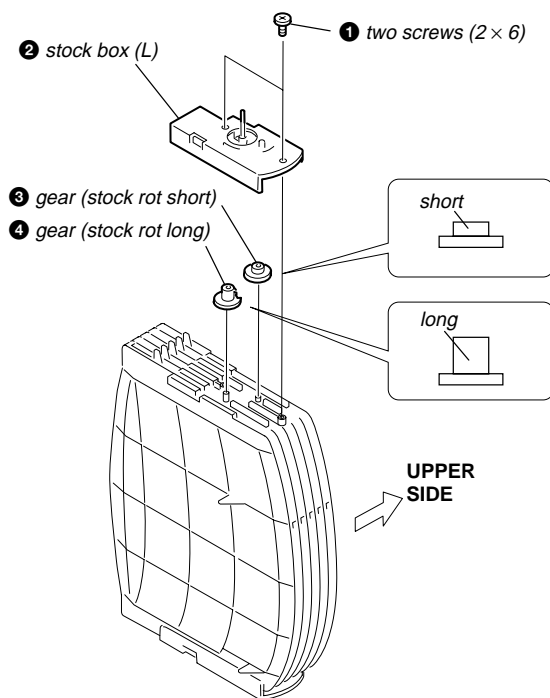
3-21. LEVER (SUB GEAR BACK L)



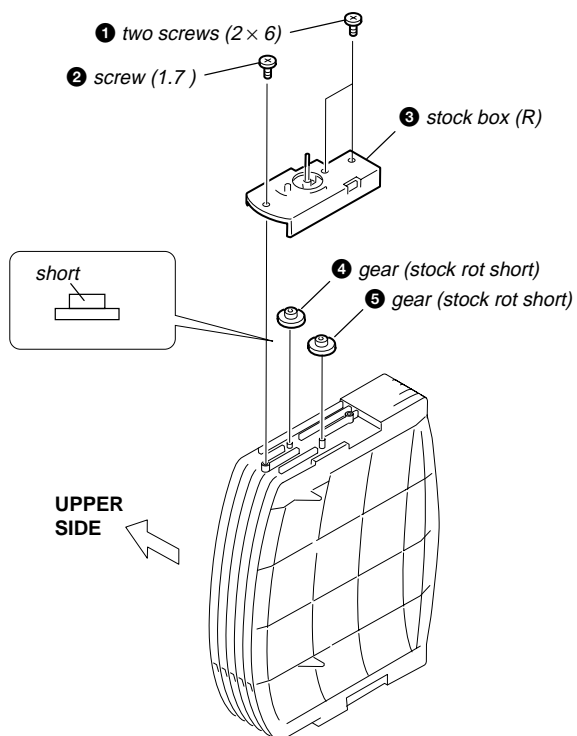
3-22. ARM (L)



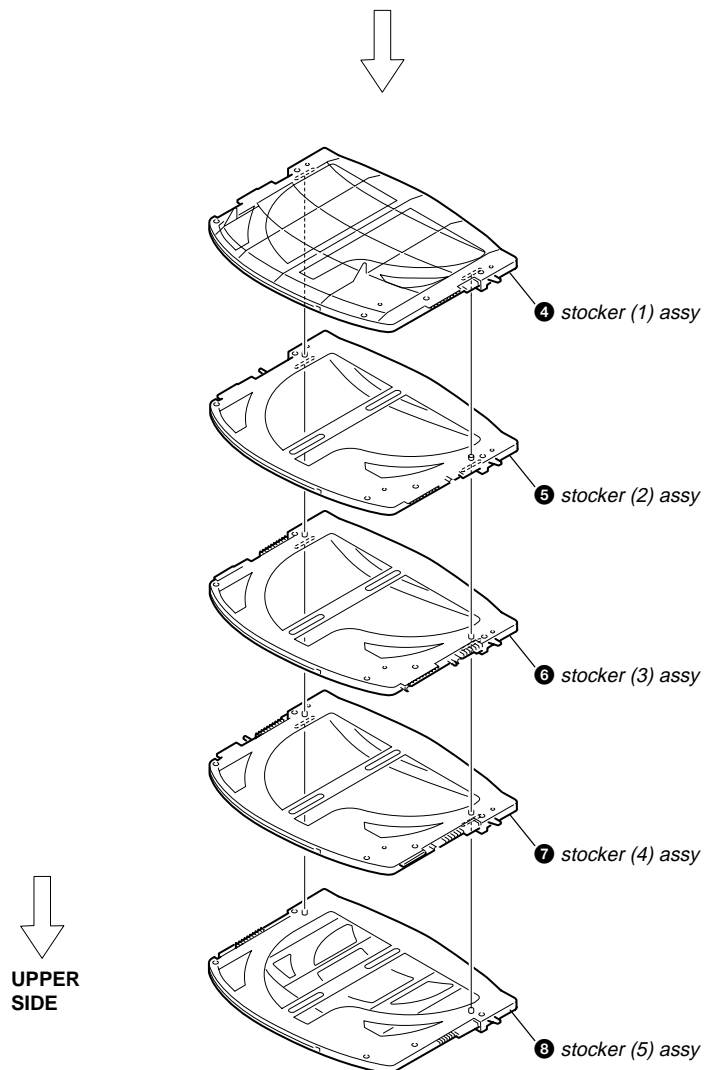
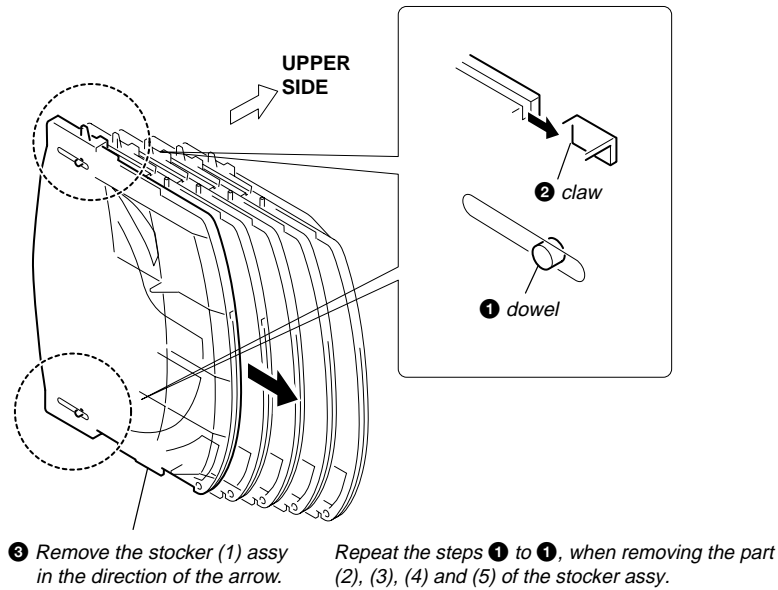
3-23. GEAR (STOCK ROT LONG) (LEFT)



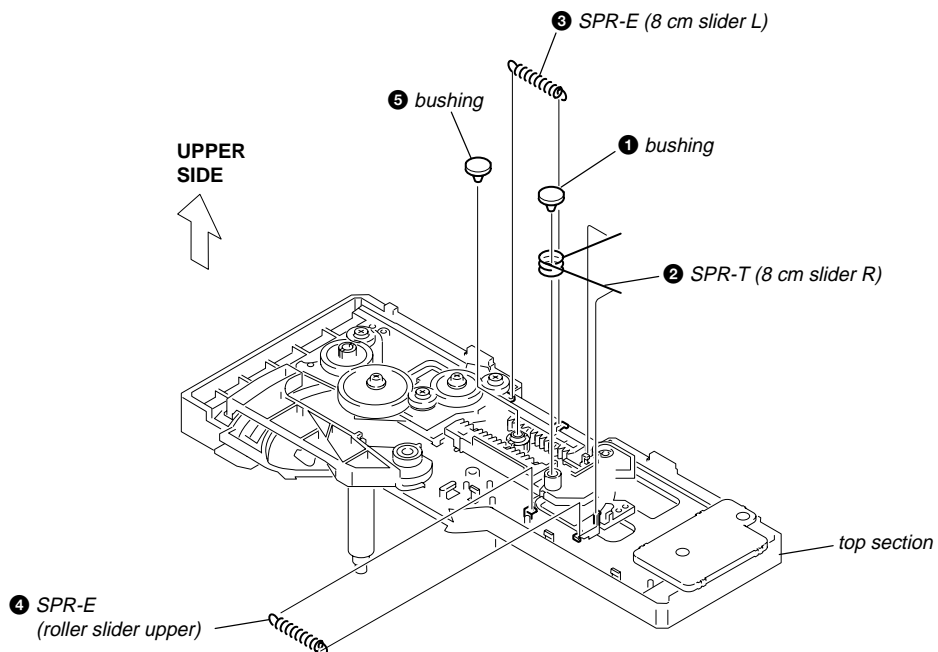
3-24. GEAR (STOCK ROT SHORT) (RIGHT)



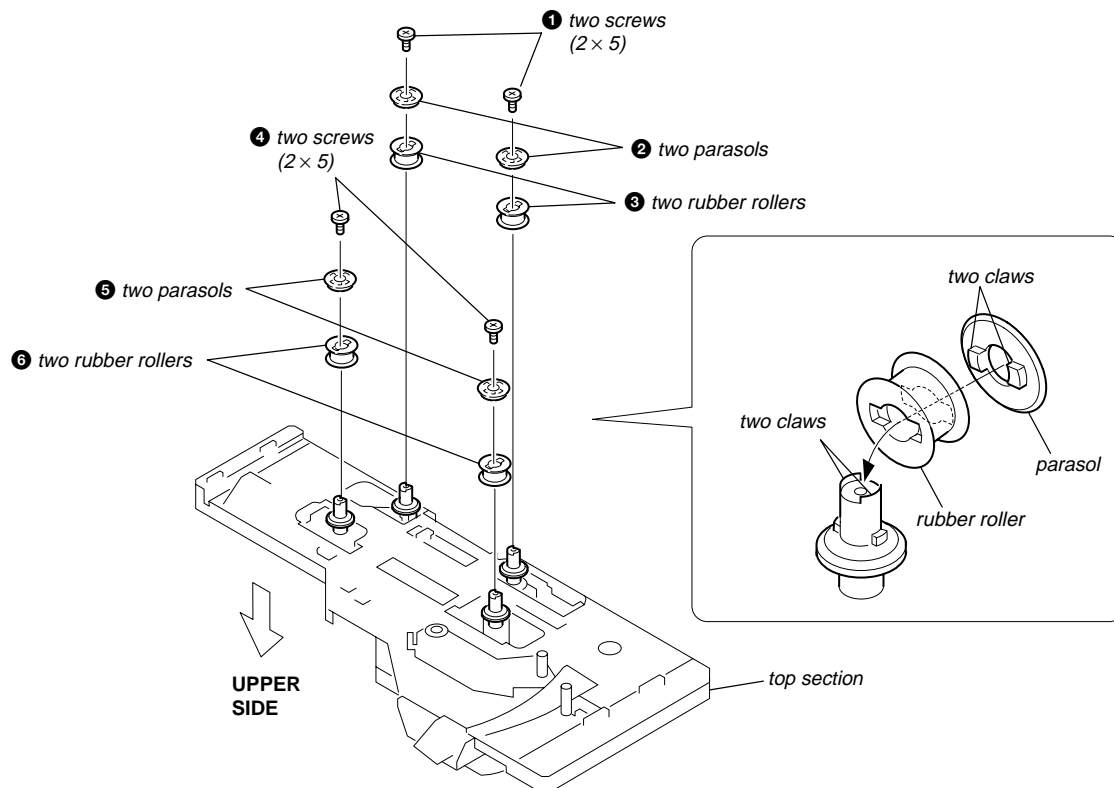
3-25. STOCKER (1) ASSY TO STOCKER (5) ASSY



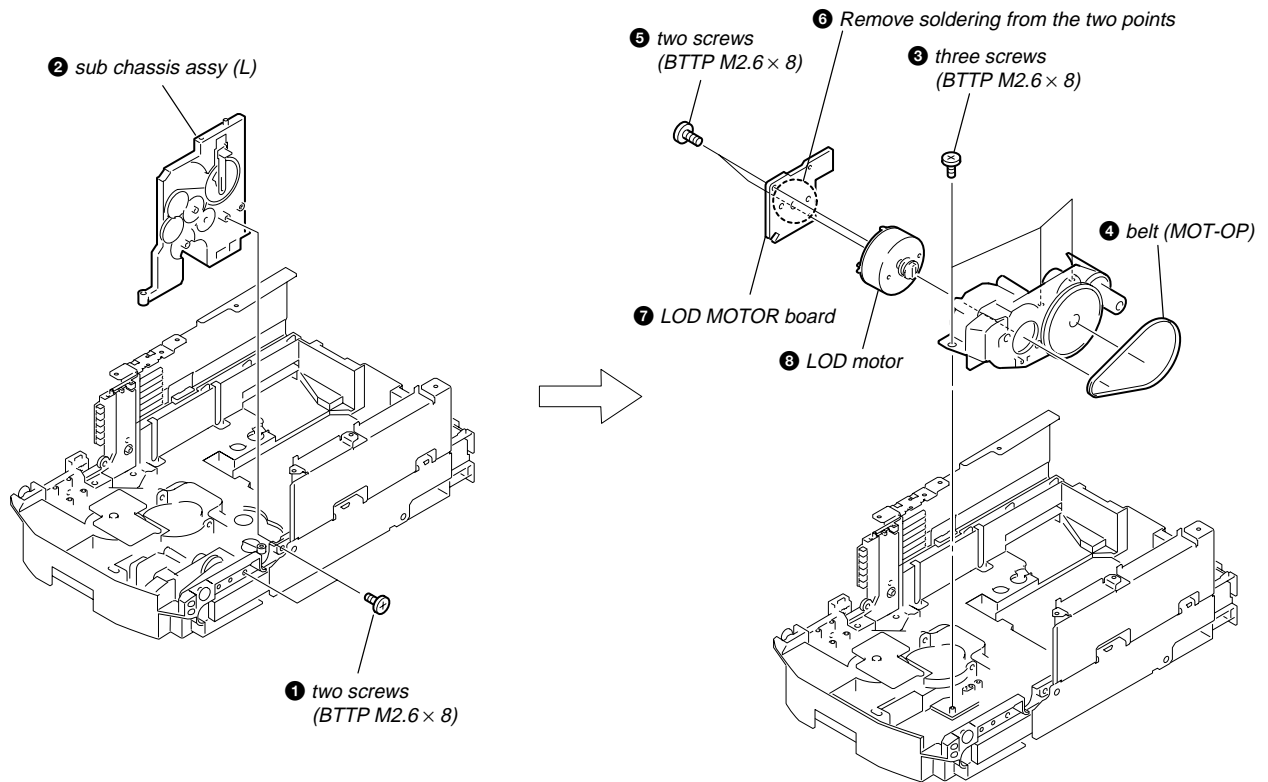
3-26. SPR-E (ROLLER SLIDER UPPER) (TOP SECTION)



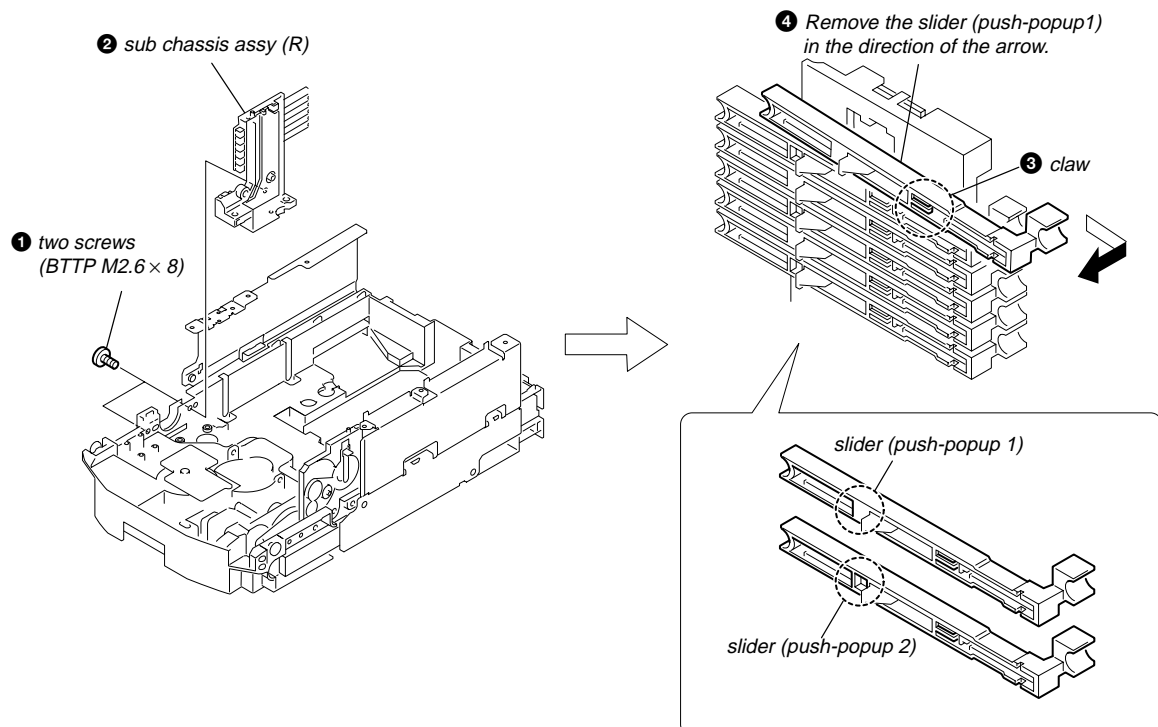
3-27. RUBBER ROLLER (TOP SECTION)



3-28. LOD MOTOR

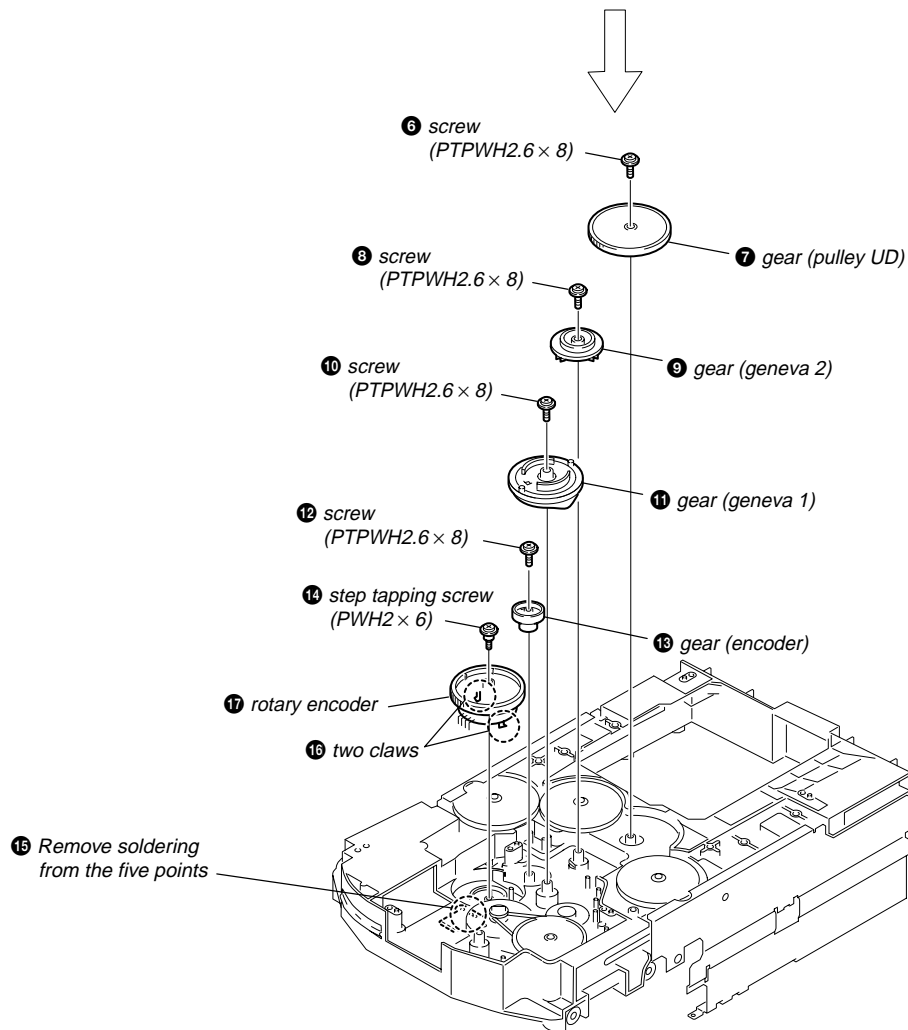
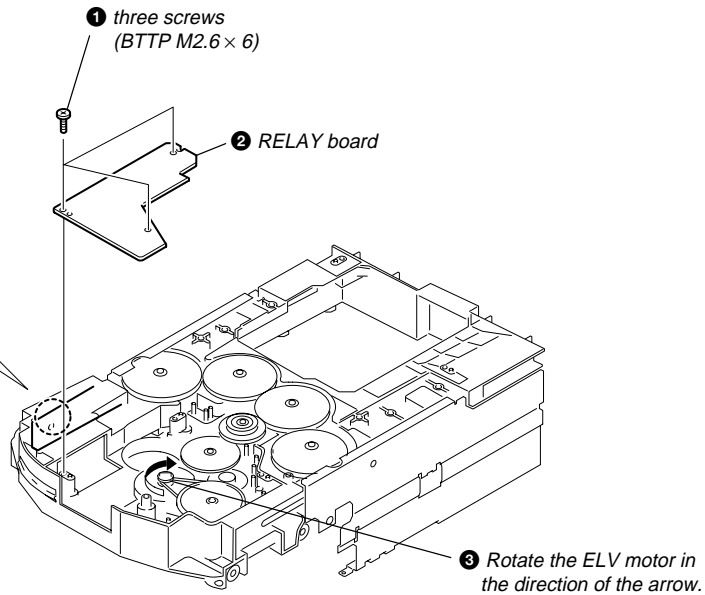
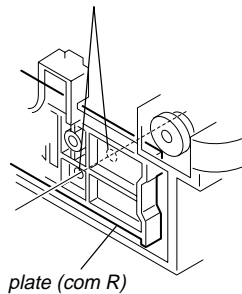


3-29. SLIDER (PUSH-POPUP)

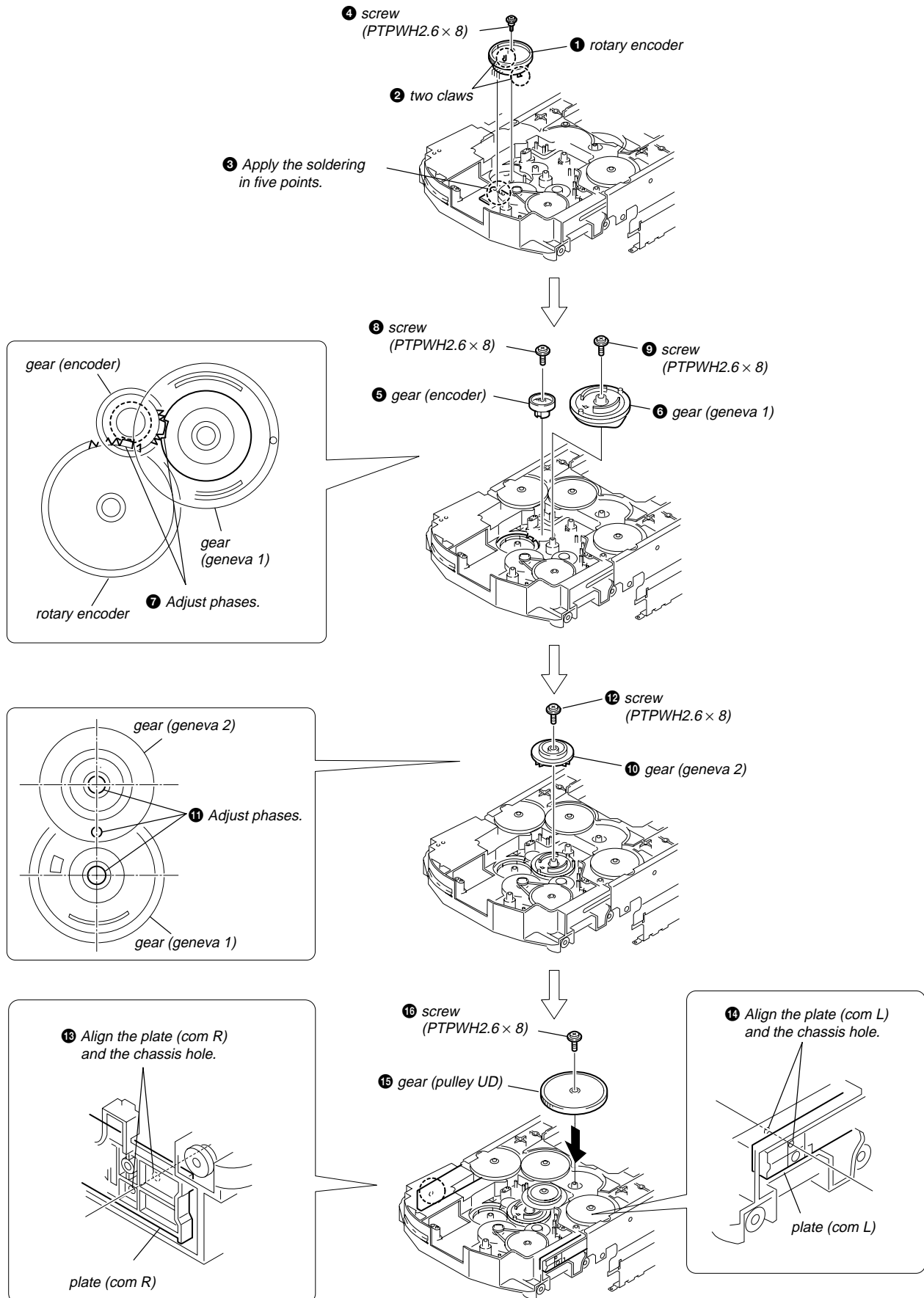


3-30. ROTARY ENCODER

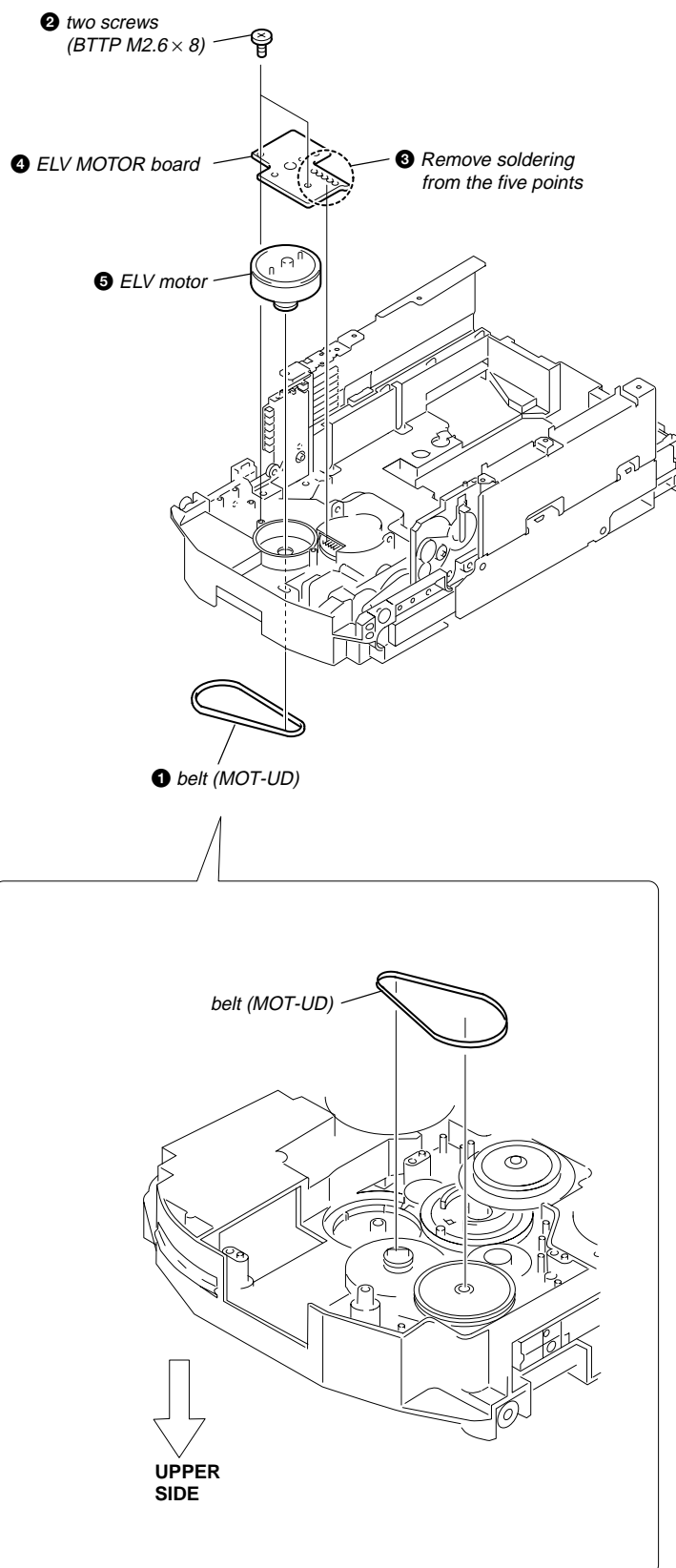
- ④ Rotate the ELV motor until the position for the hole on the chassis can be seen through the plate (comR).



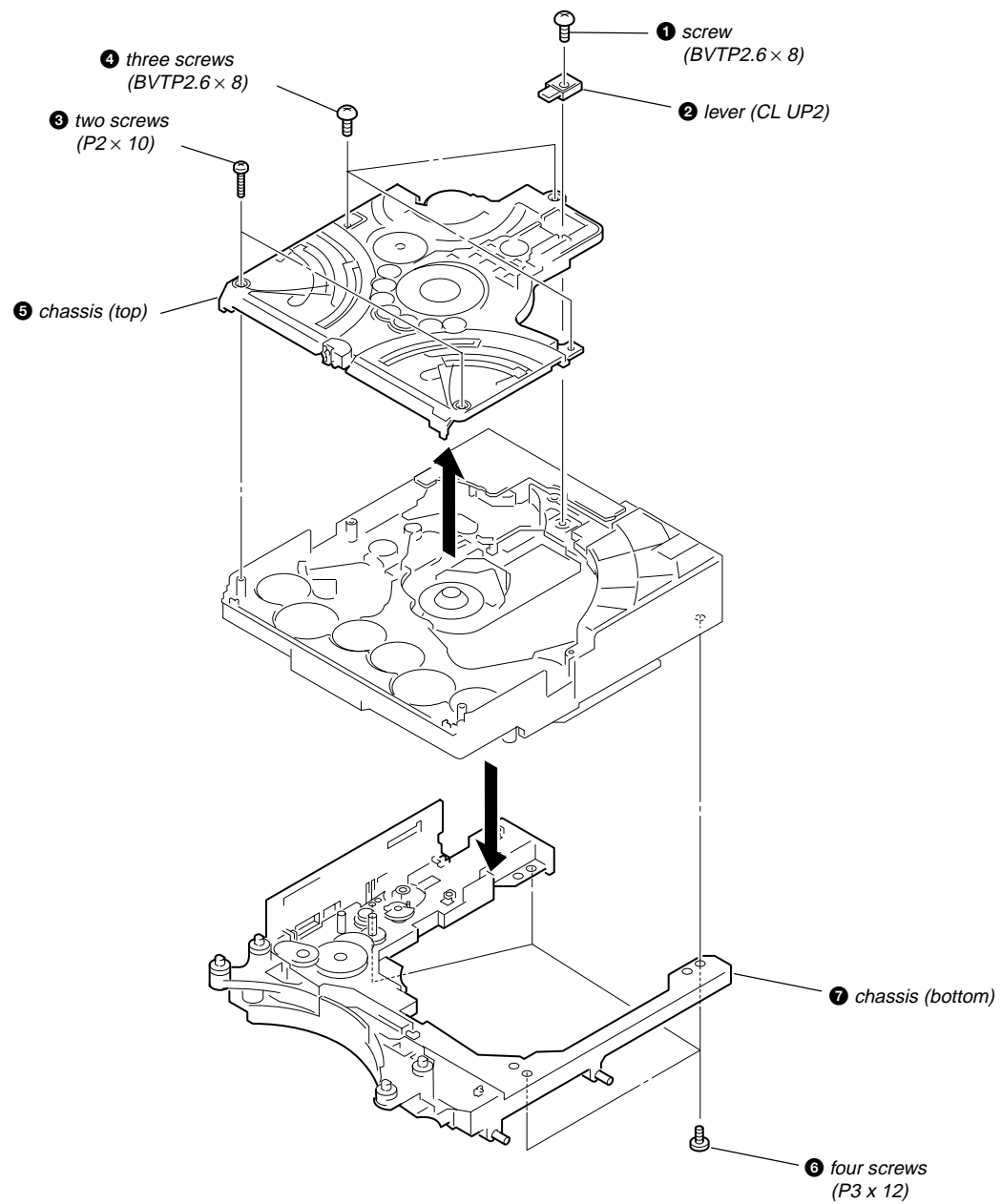
3-31. ASSEMBLING OF THE ROTARY ENCODER



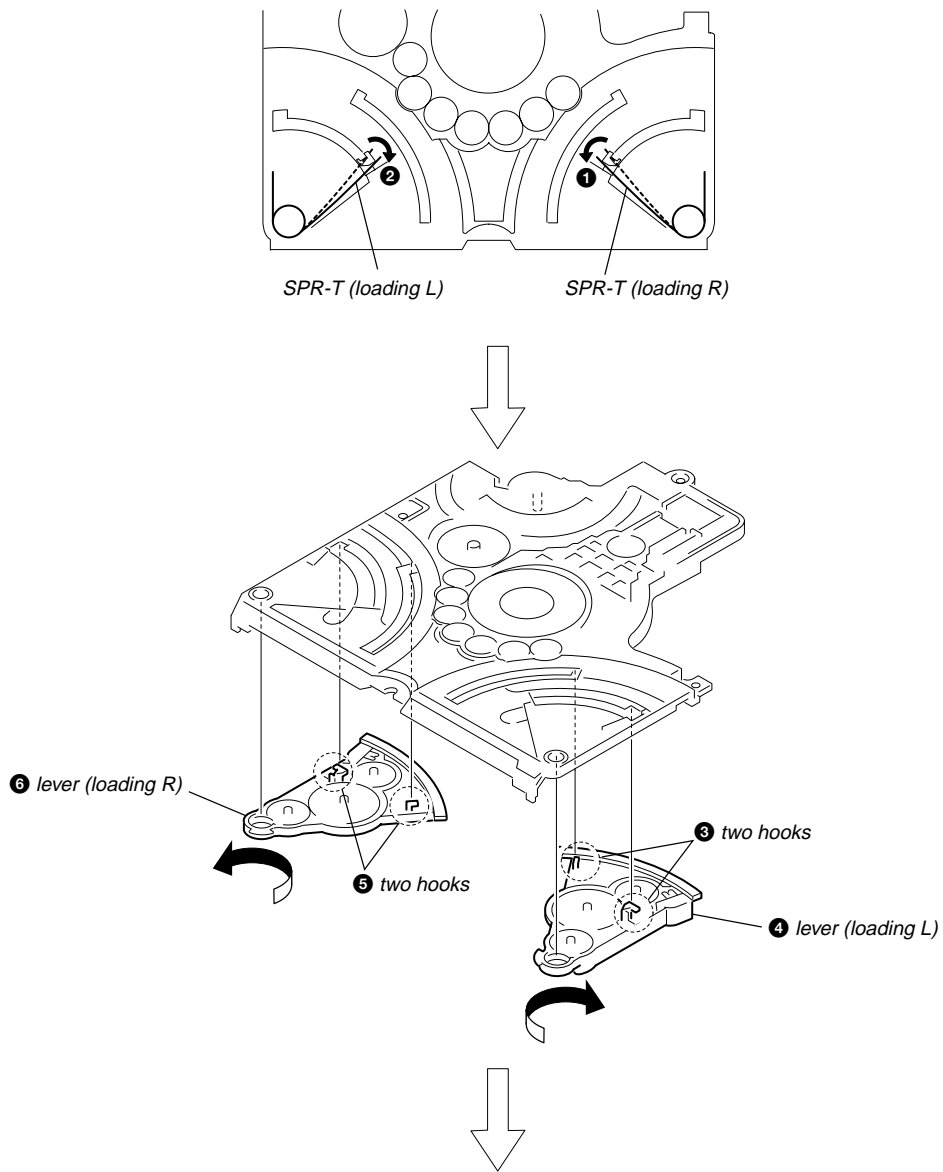
3-32. ELV MOTOR



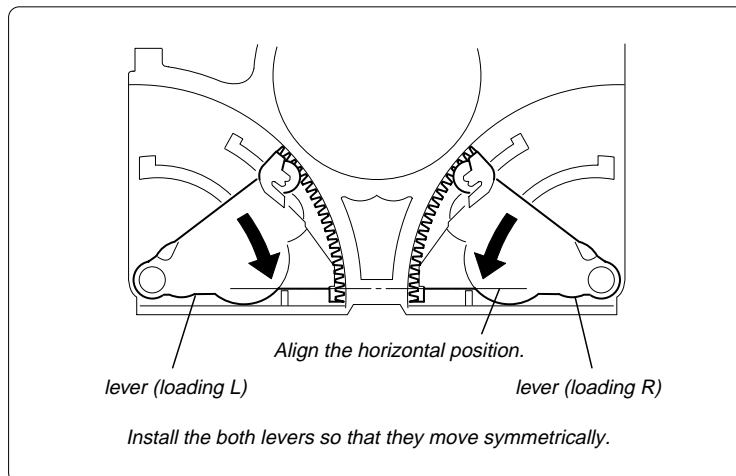
3-33. CHASSIS (TOP), CHASSIS (BOTTOM)



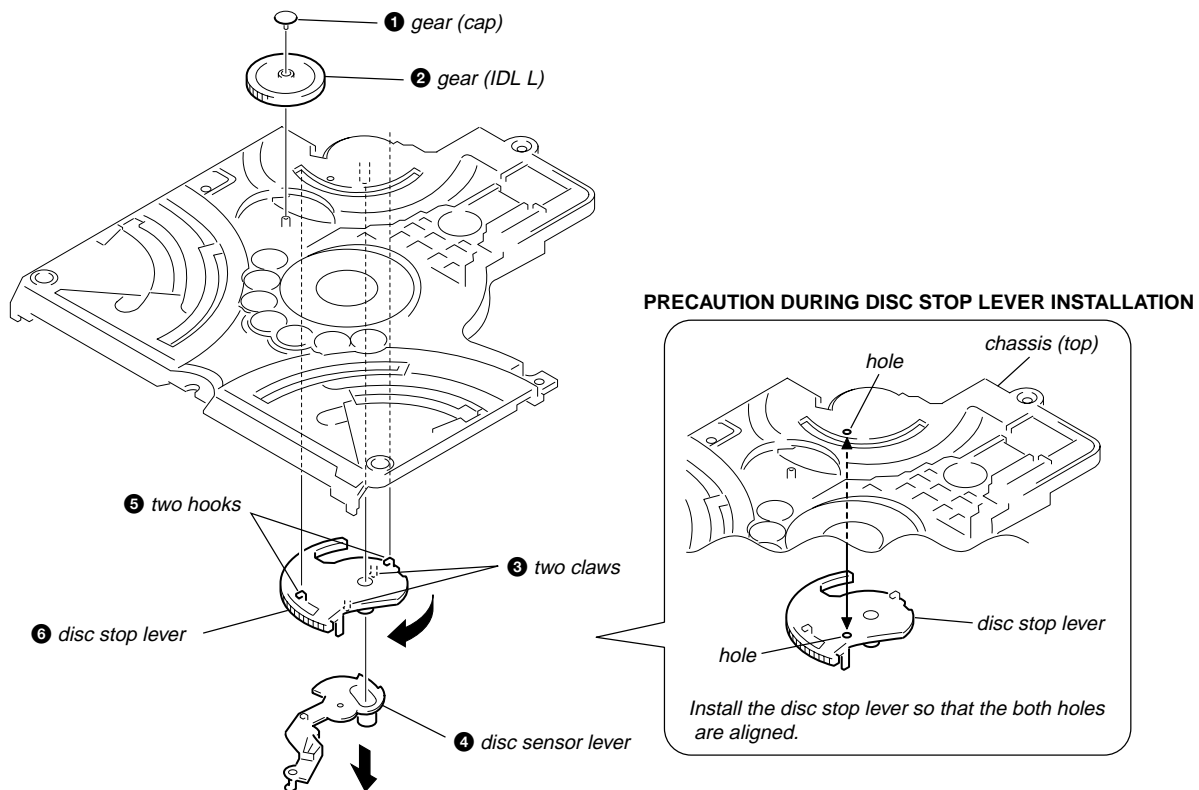
3-34. LEVER (LOADING R, LOADING L)



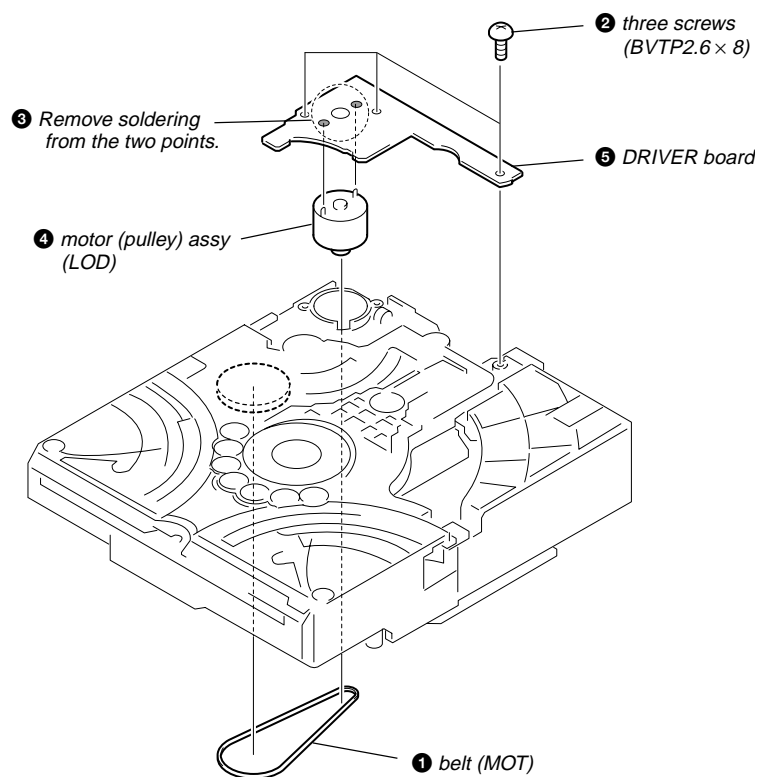
PRECAUTION DURING LEVER (LOADING R/L) INSTALLATION



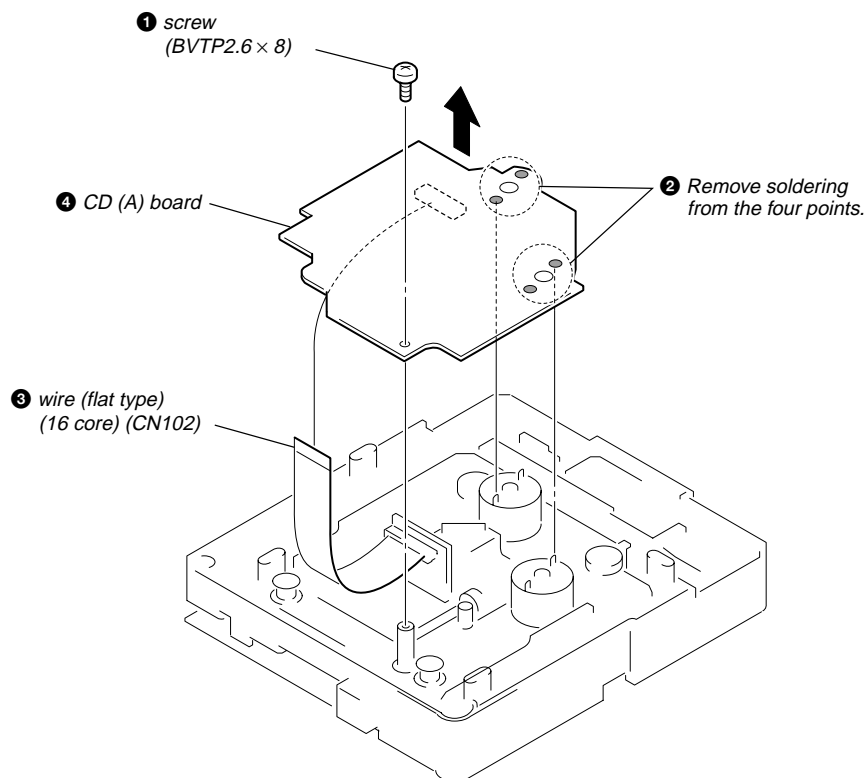
3-35. DISC STOP LEVER



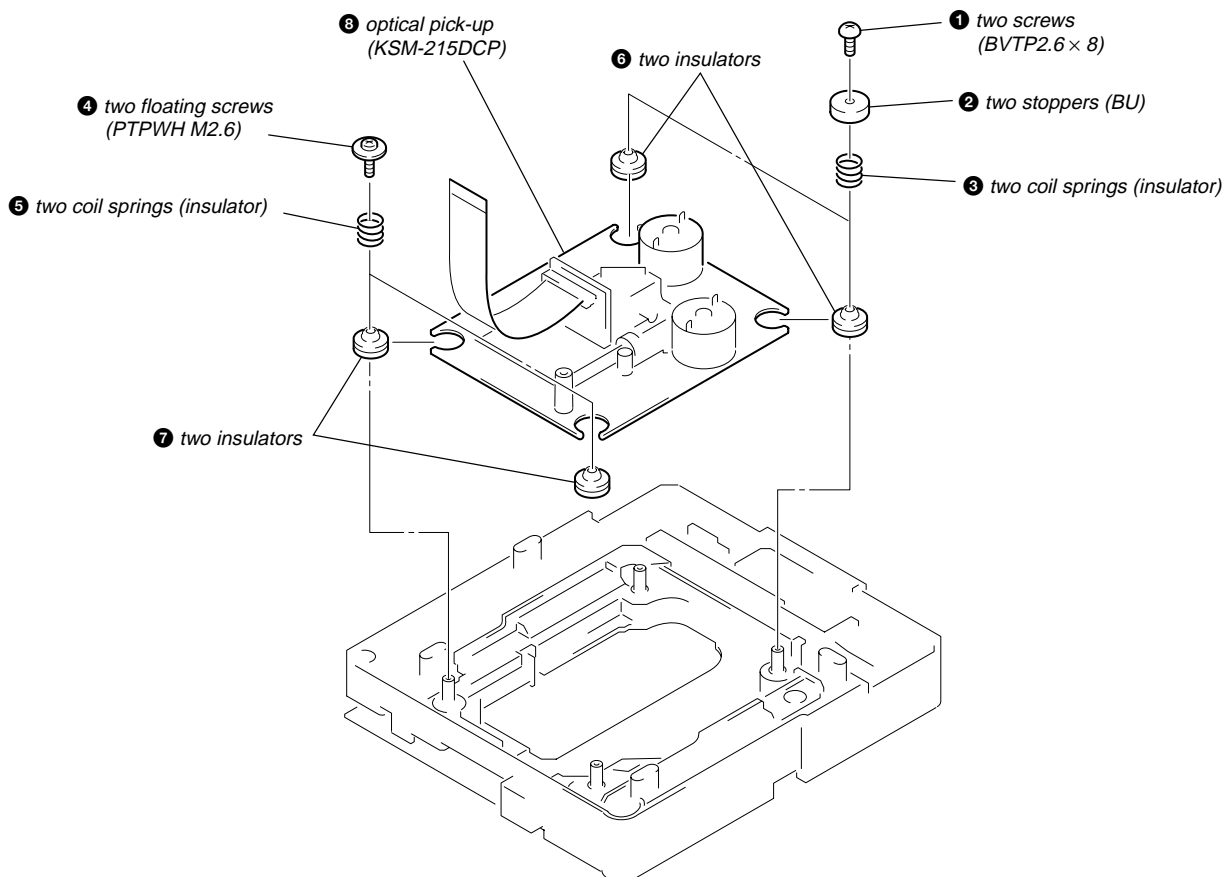
3-36. DRIVER BOARD



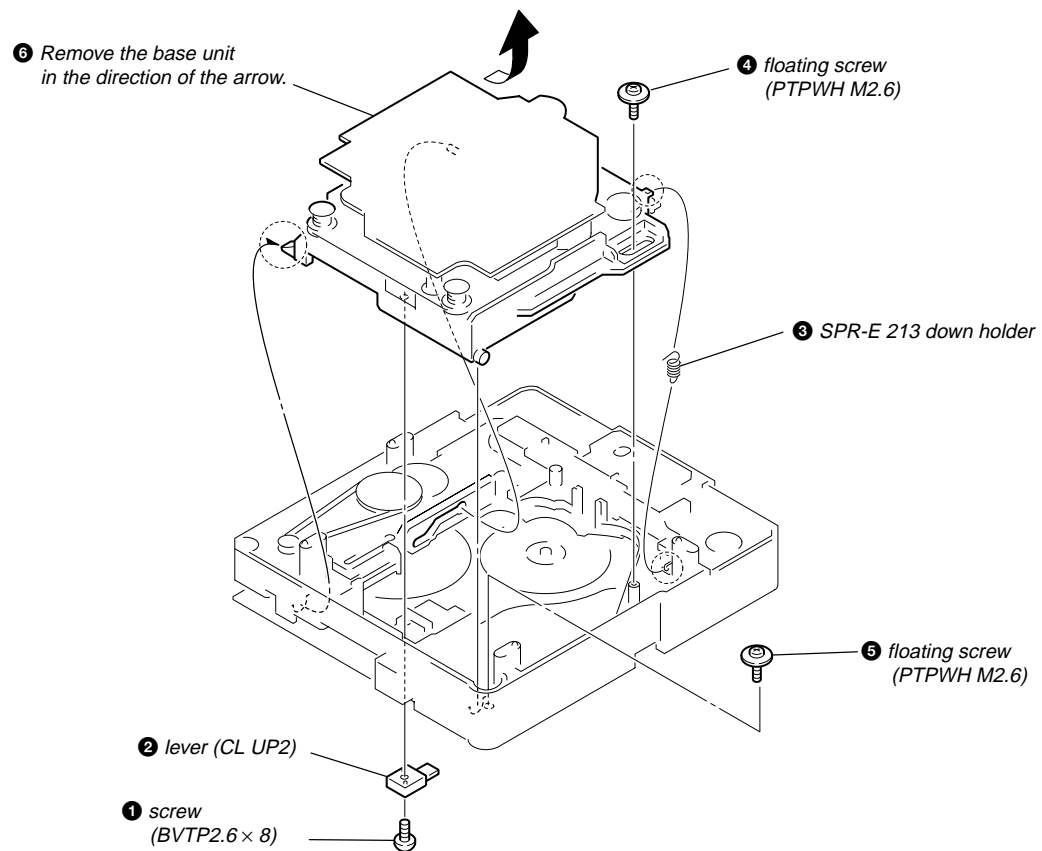
3-37. CD BOARD (A)



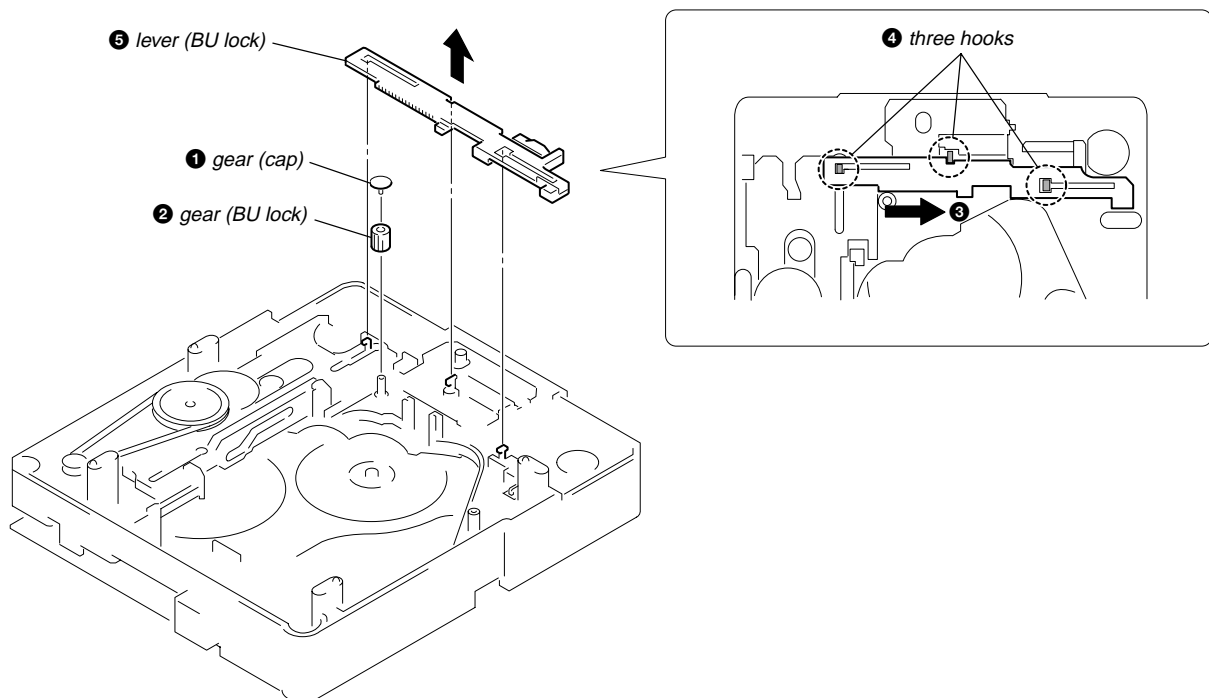
3-38. OPTICAL PICK-UP (KSM-215DCP)



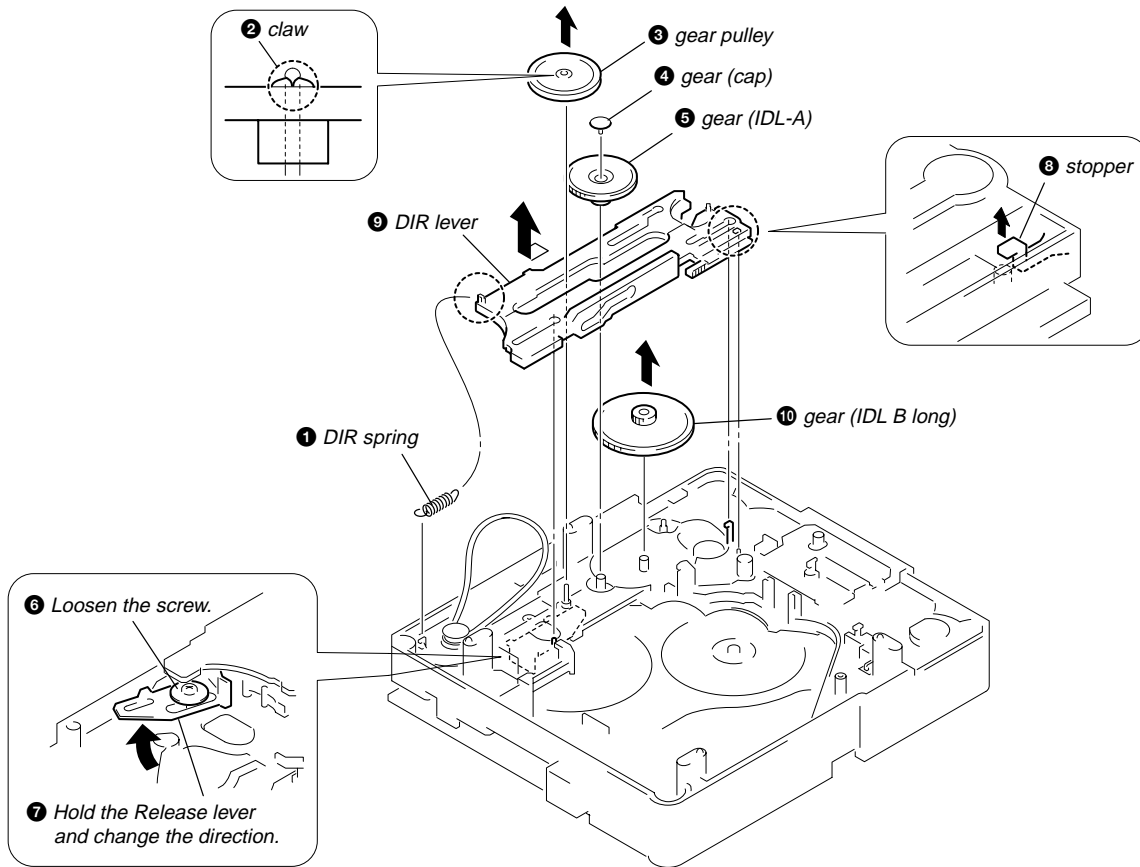
3-39. BASE UNIT SECTION



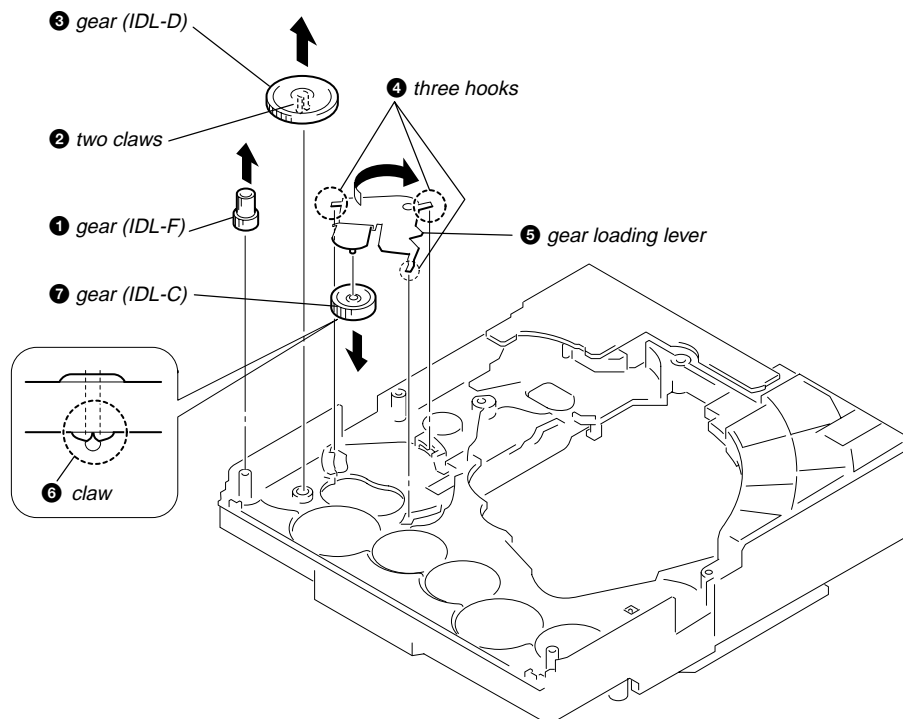
3-40. LEVER (BU LOCK)



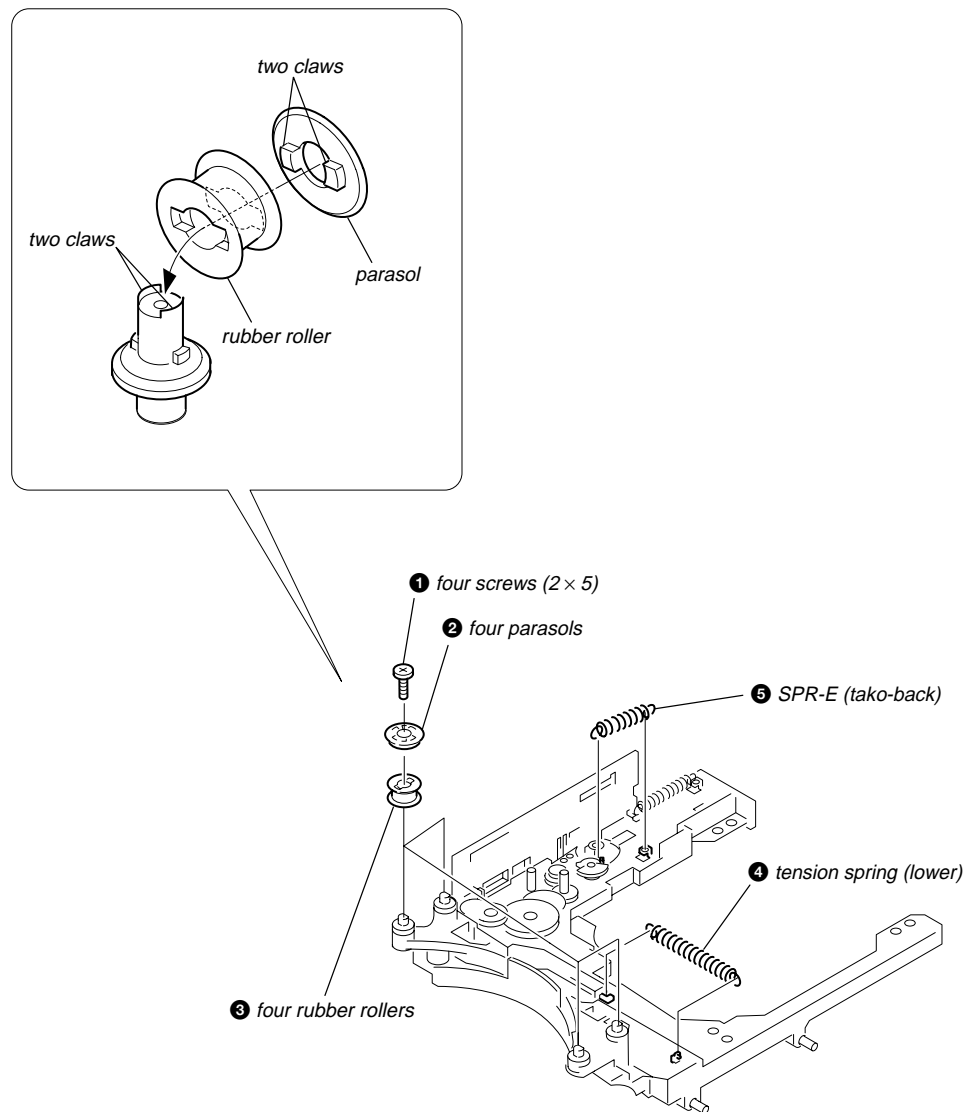
3-41. GEAR (IDL-B)



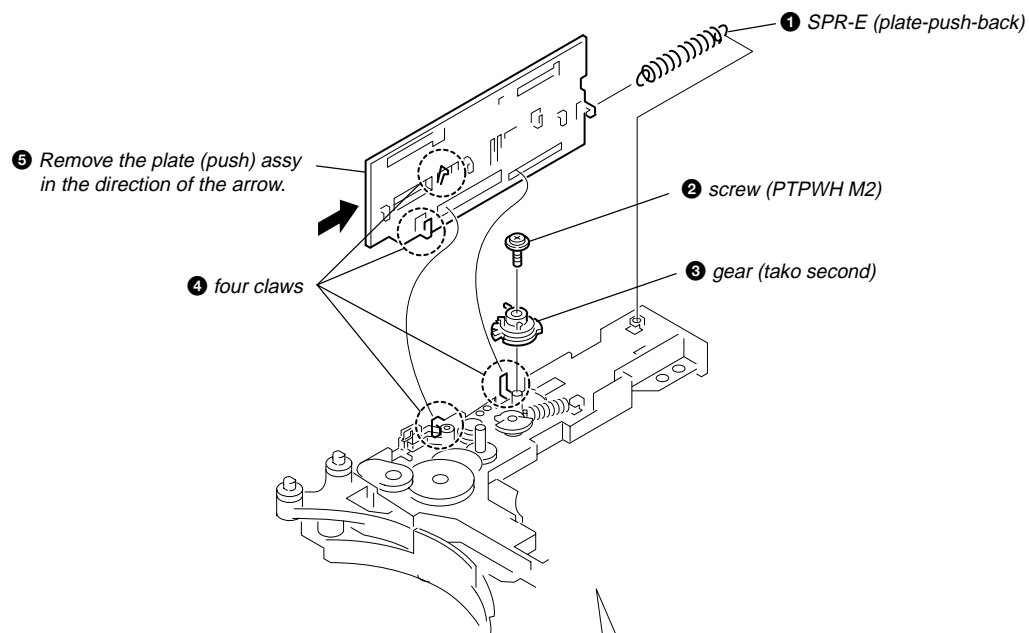
3-42. GEAR (IDL-C)



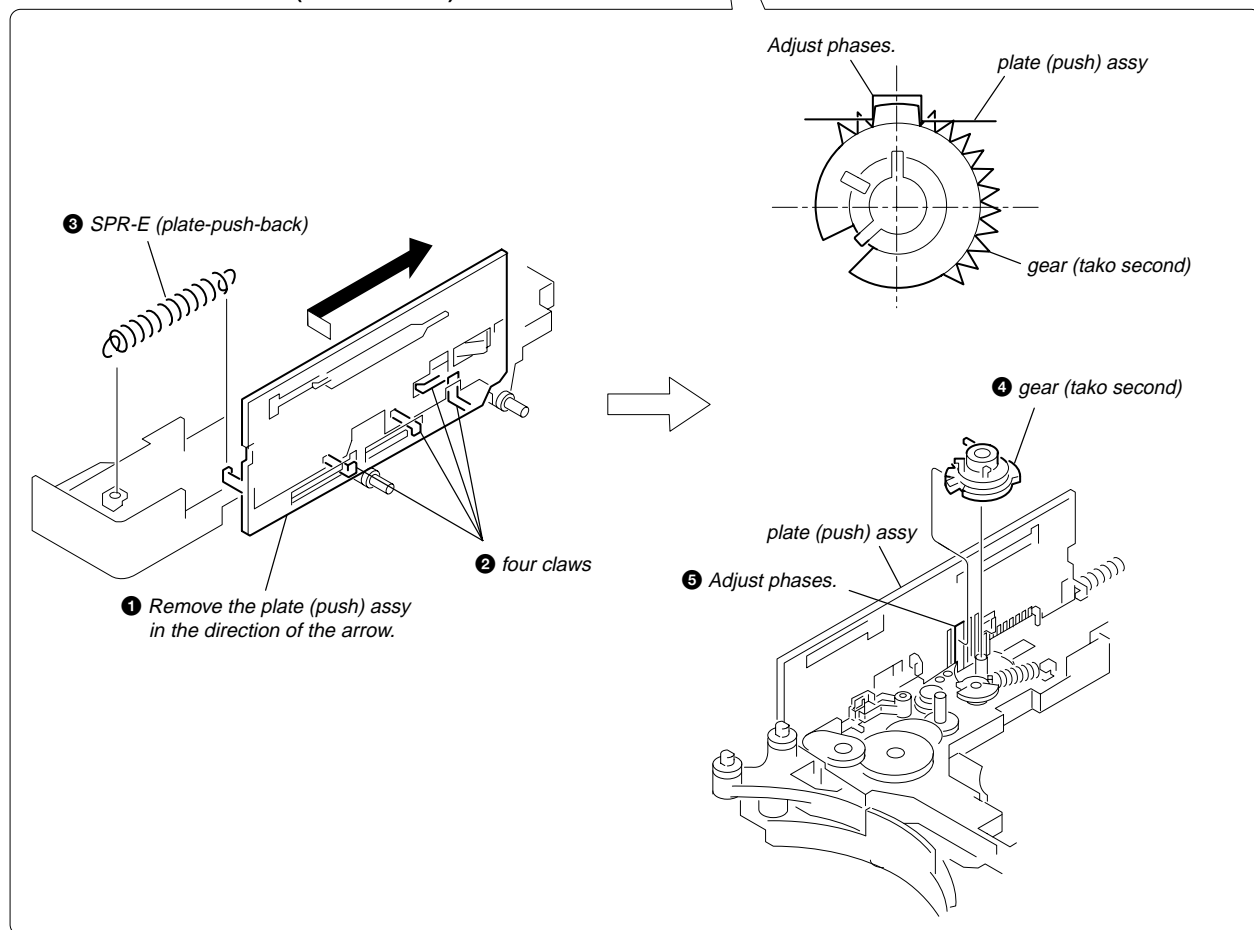
3-43. SPR-E (TAKO-BACK)



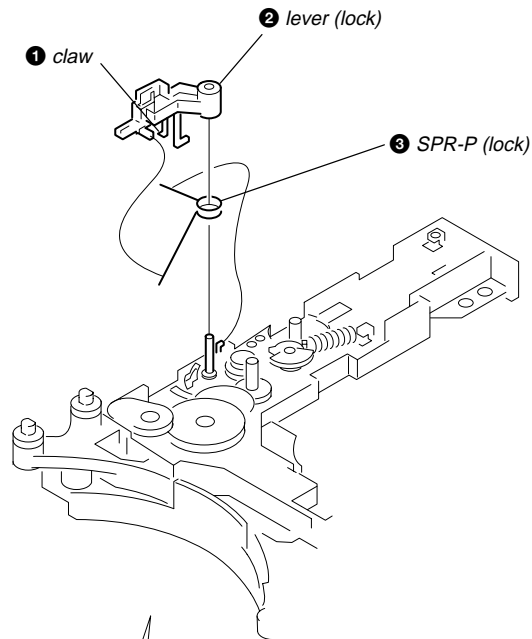
3-44. PLATE (PUSH) ASSY



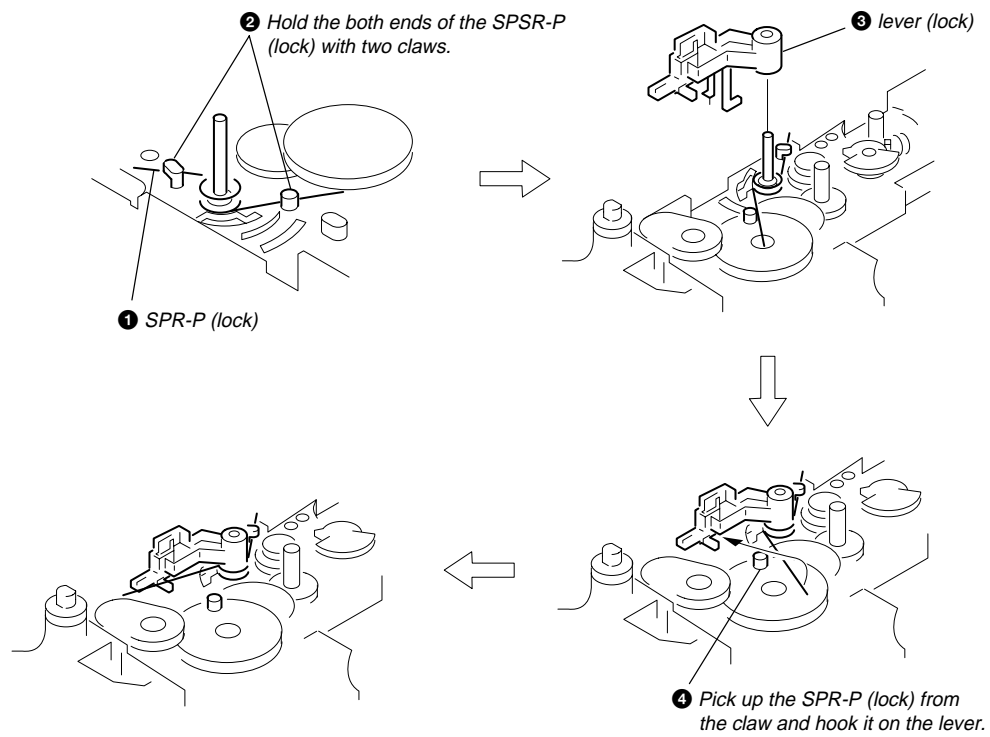
PRECAUTION DURING GEAR (TAKO SECOND) INSTALLATION



3-45. SPR-P (LOCK)



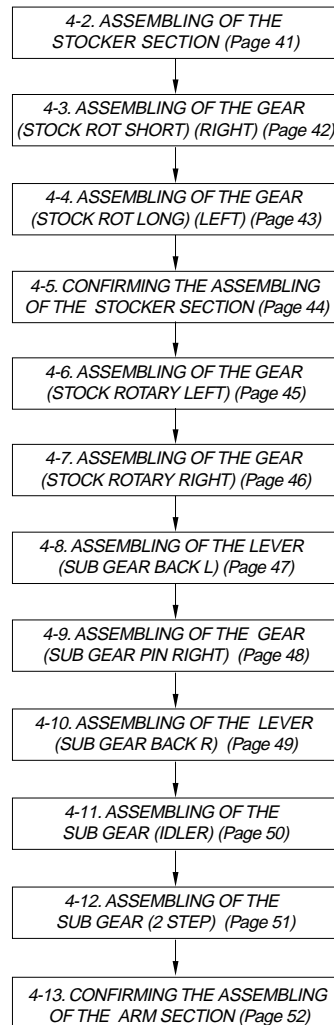
PRECAUTION DURING LEVER INSTALLATION



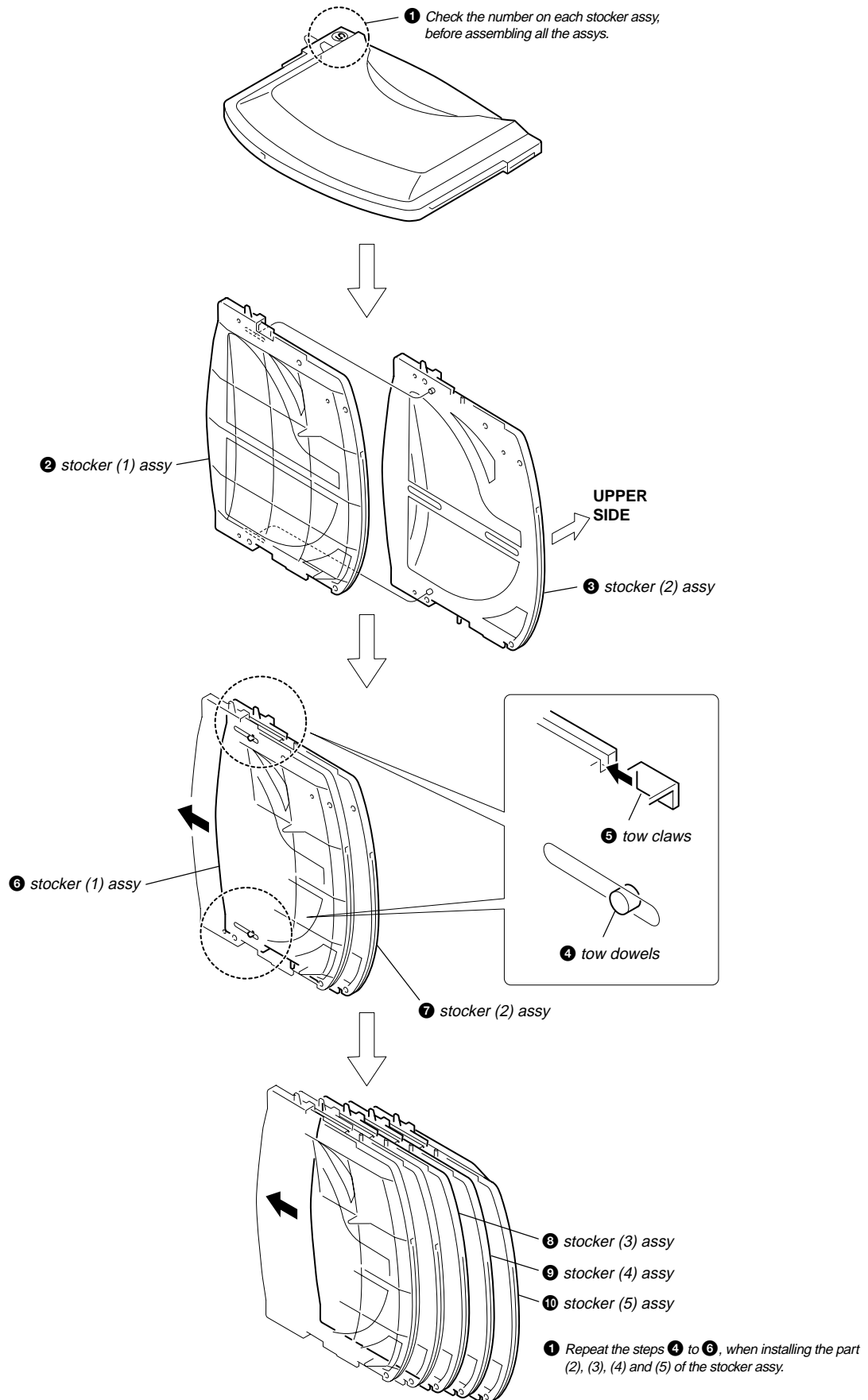
SECTION 4 ASSEMBLY

- This is can be assemble according to the following sequence.

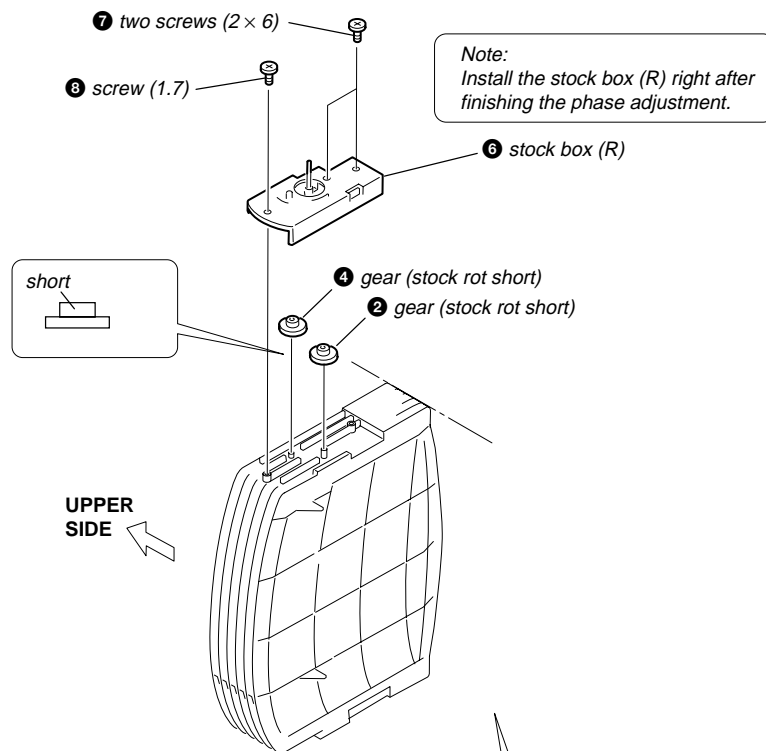
4-1. ASSEMBLY FLOW



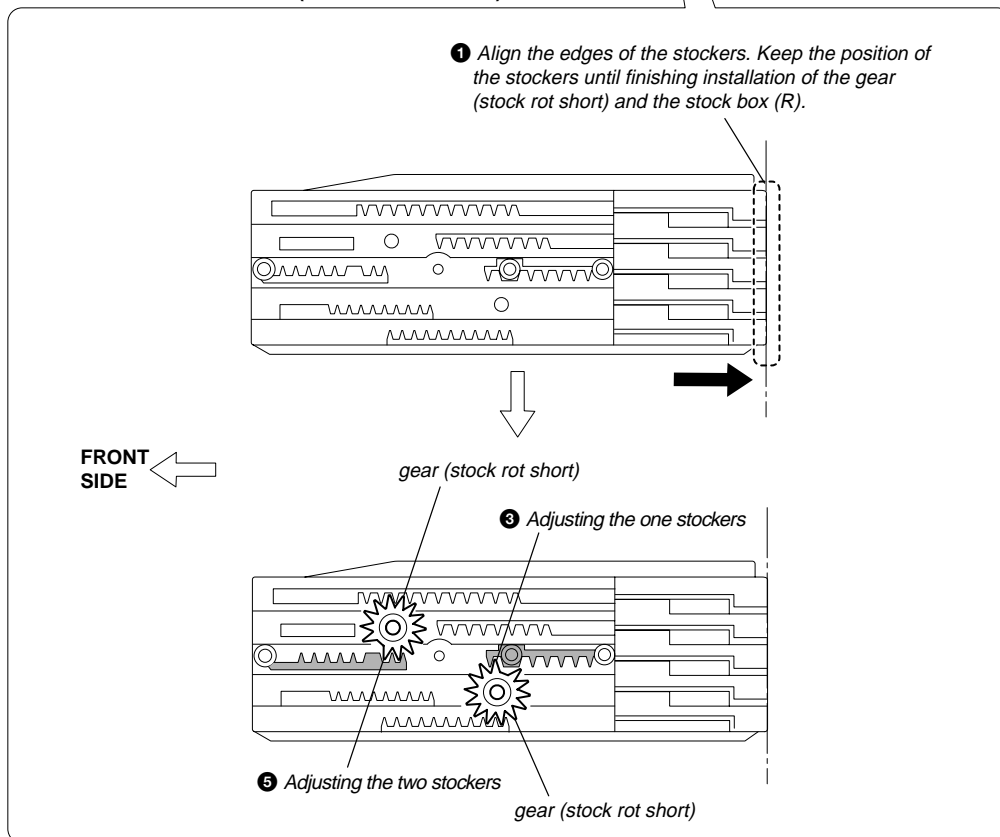
4-2. ASSEMBLING OF THE STOCKER SECTION



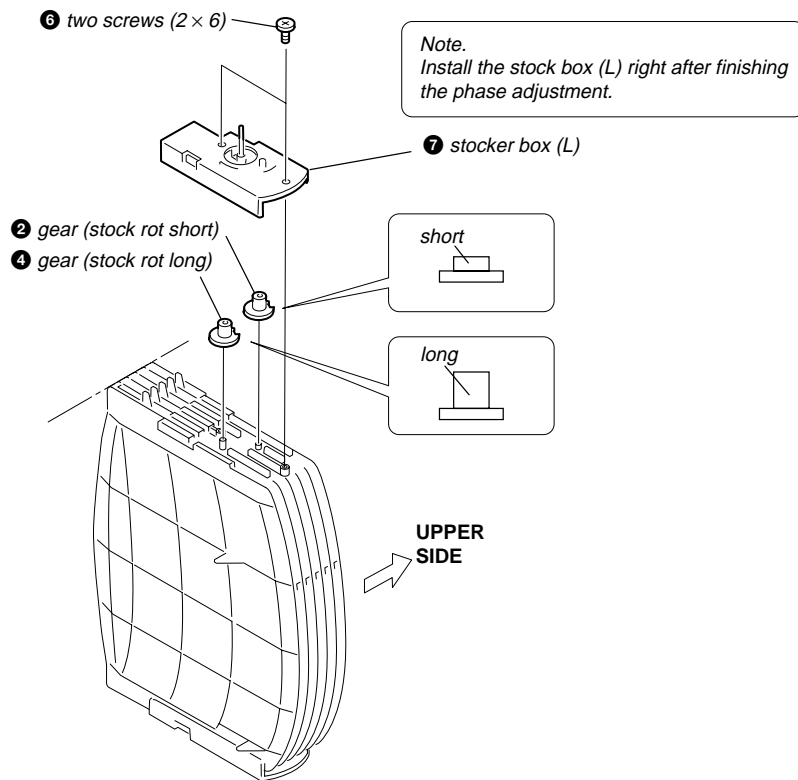
4-3. ASSEMBLING OF THE GEAR (STOCK ROT SHORT) (RIGHT)



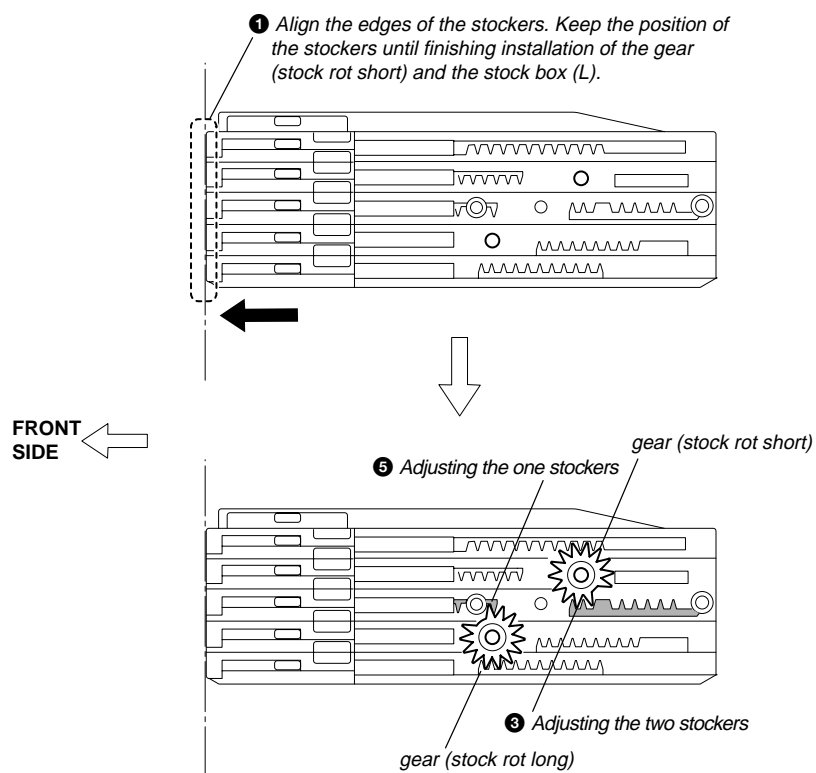
PRECAUTION DURING GEAR (STOCK ROT SHORT) INSTALLATION



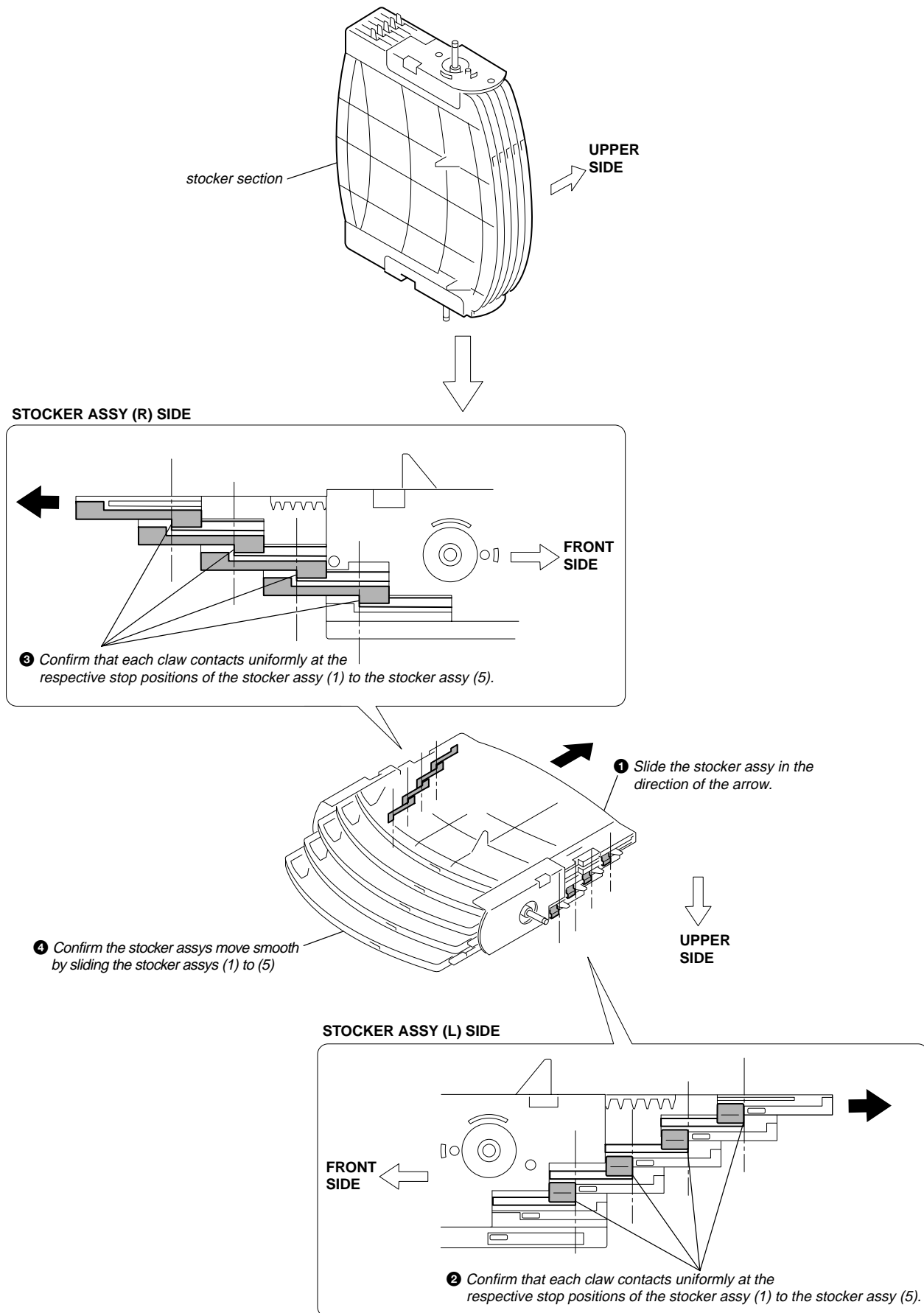
4-4. ASSEMBLING OF THE GEAR (STOCK ROT LONG) (LEFT)



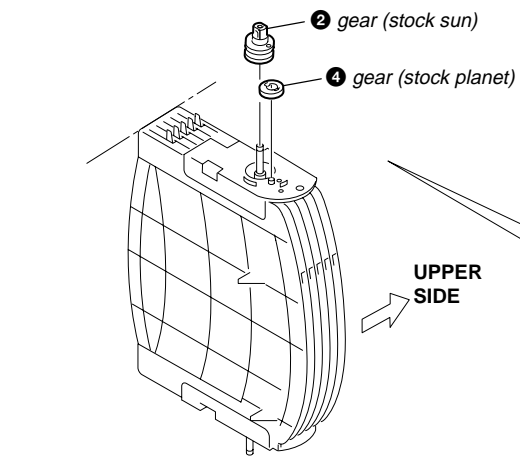
PRECAUTION DURING GEAR (STOCK ROT SHORT, STOCK ROT SHORT LONG) INSTALLATION



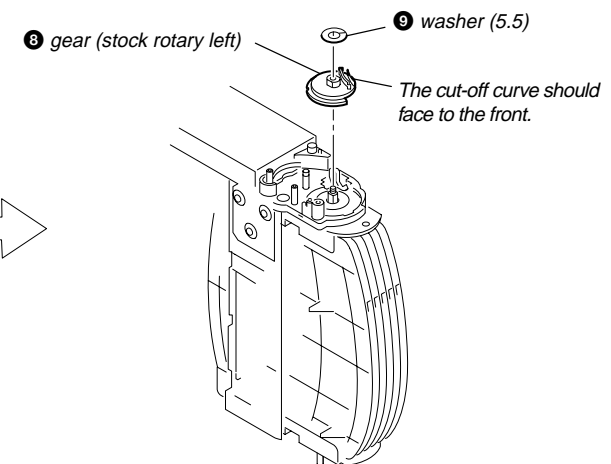
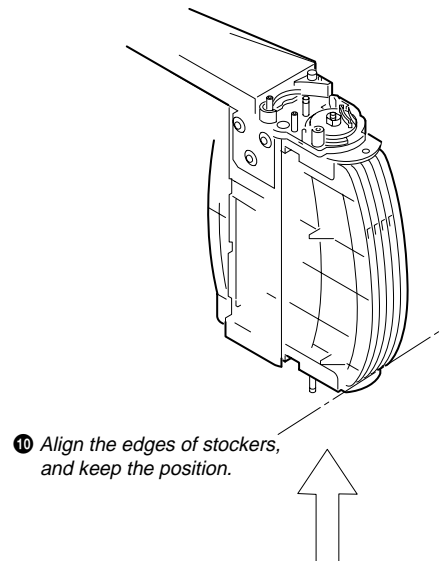
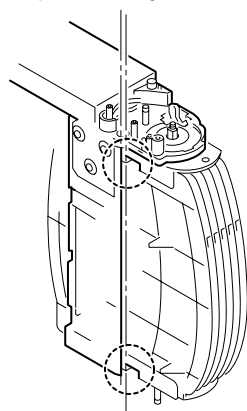
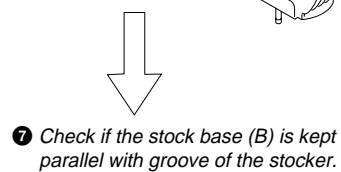
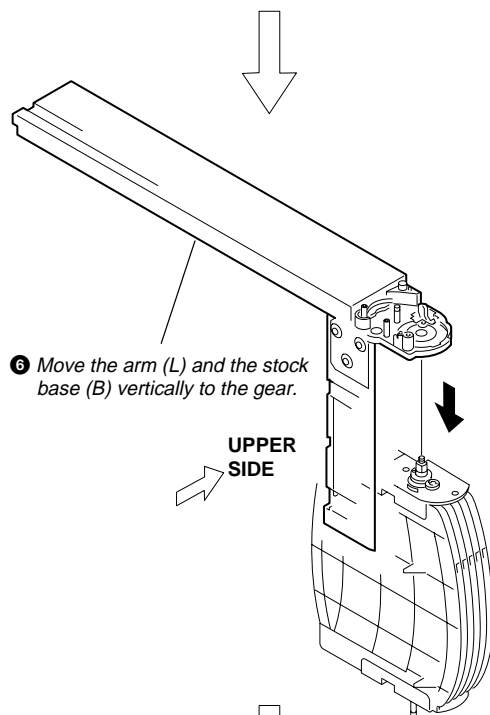
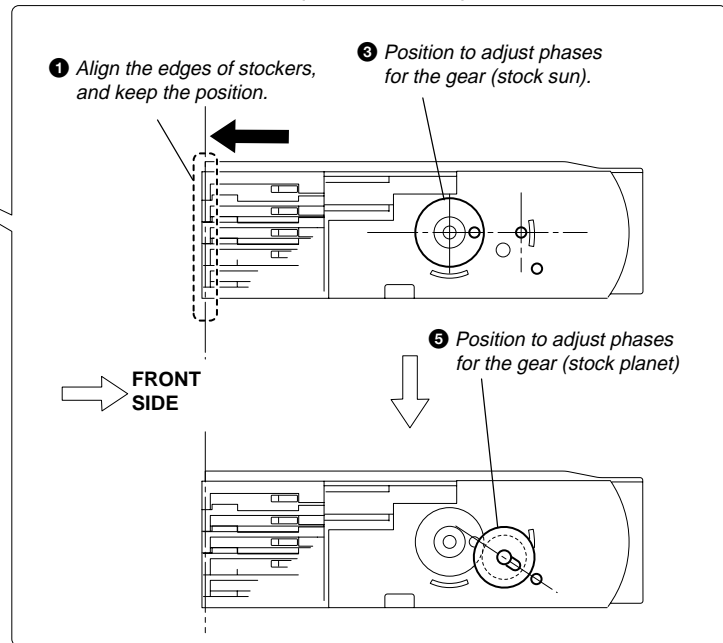
4-5. CONFIRMING THE ASSEMBLING OF THE STOCKER SECTION



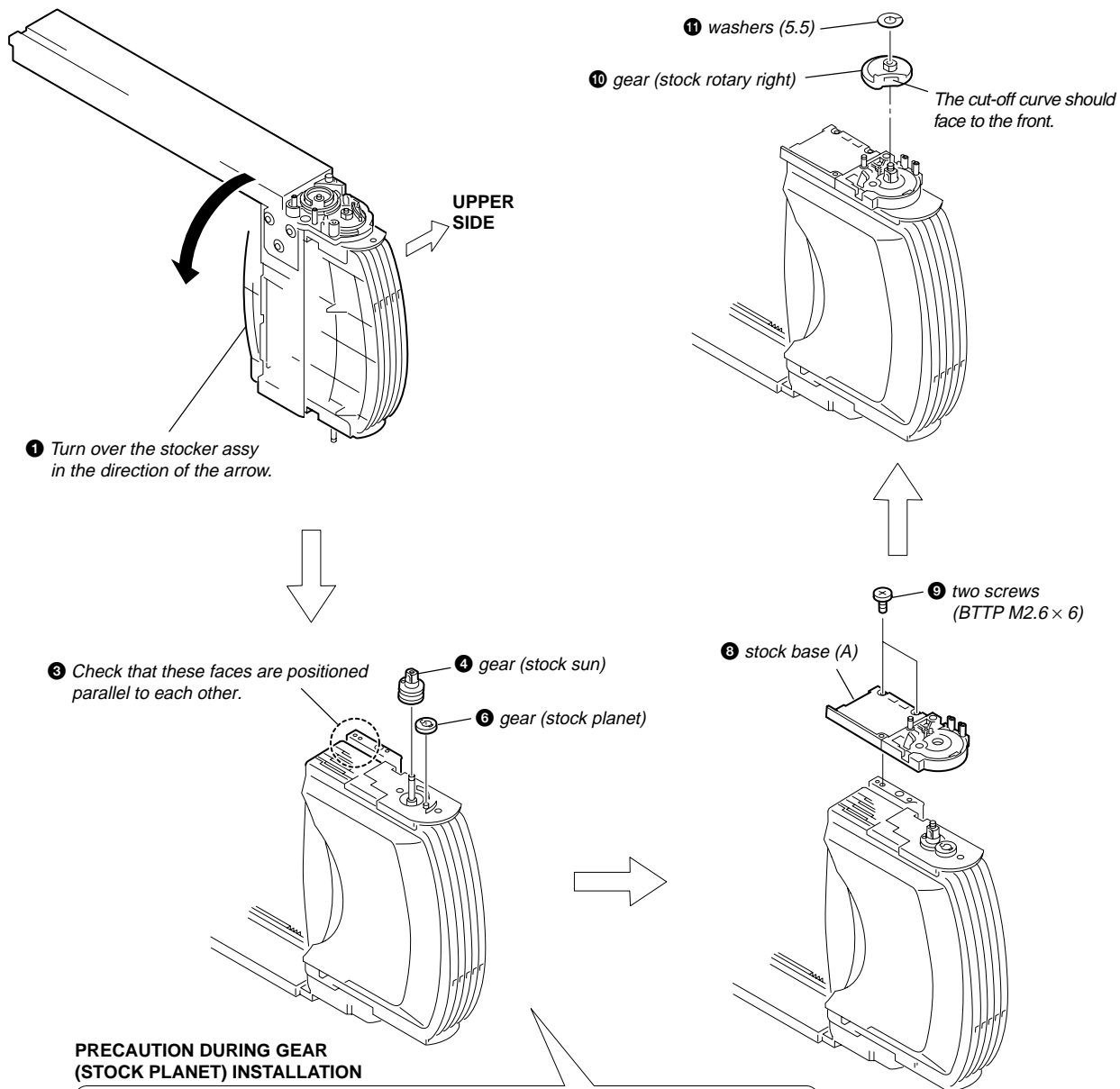
4-6. ASSEMBLING OF THE GEAR (STOCK ROTARY LEFT)



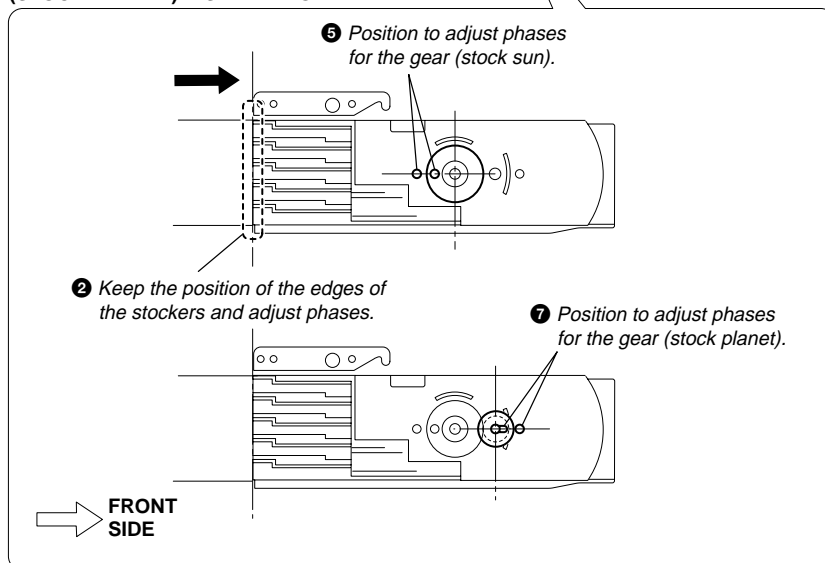
PRECAUTION DURING GEAR (STOCK PLANET) INSTALLATION



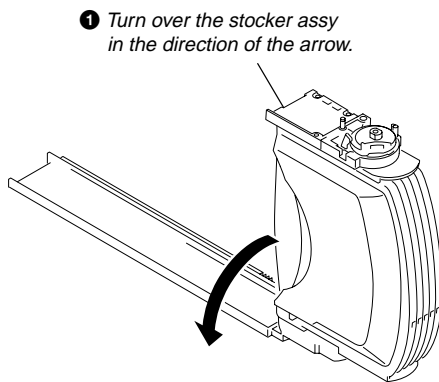
4-7. ASSEMBLING OF THE GEAR (STOCK ROTARY RIGHT)



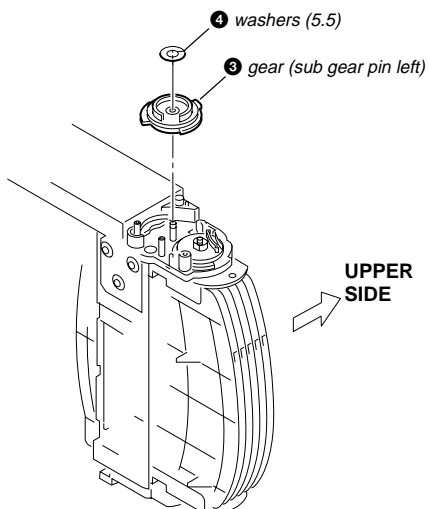
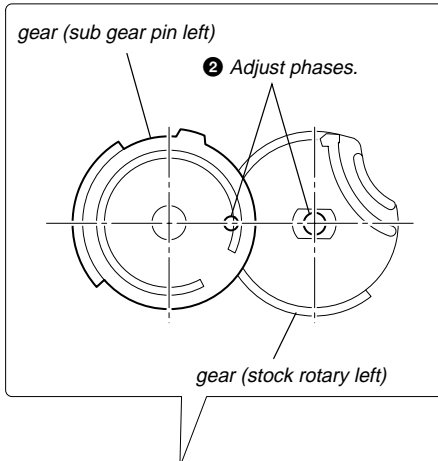
PRECAUTION DURING GEAR (STOCK PLANET) INSTALLATION



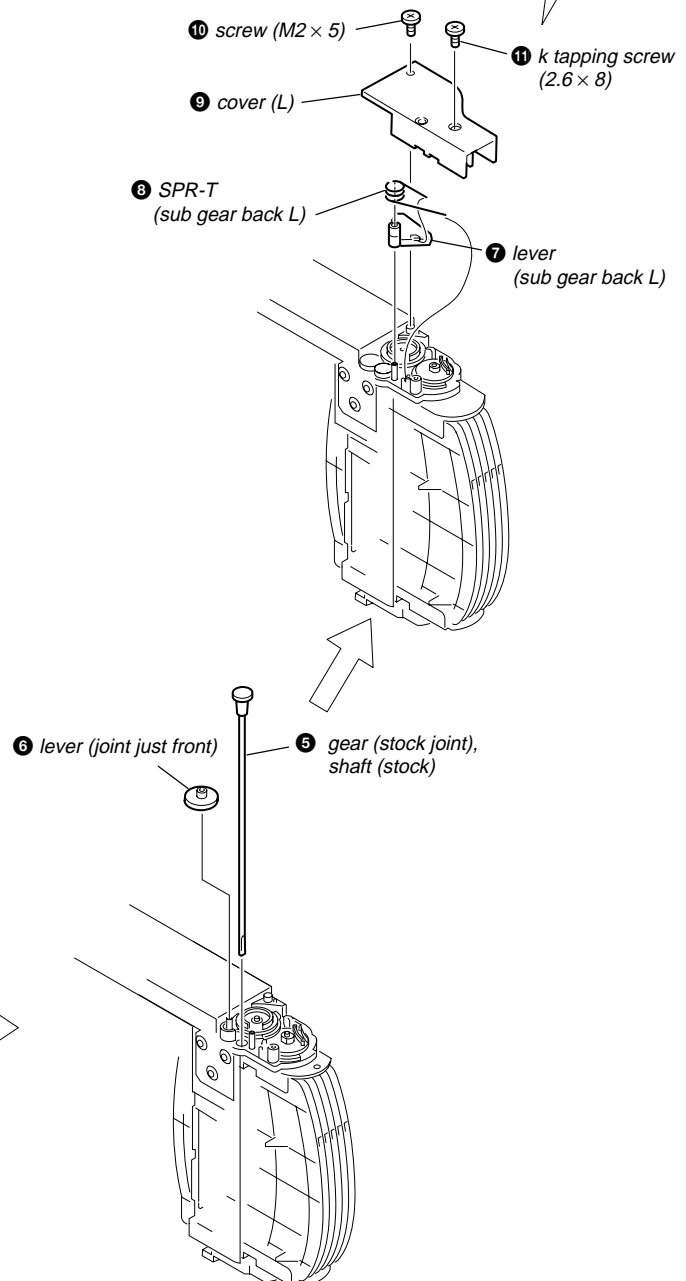
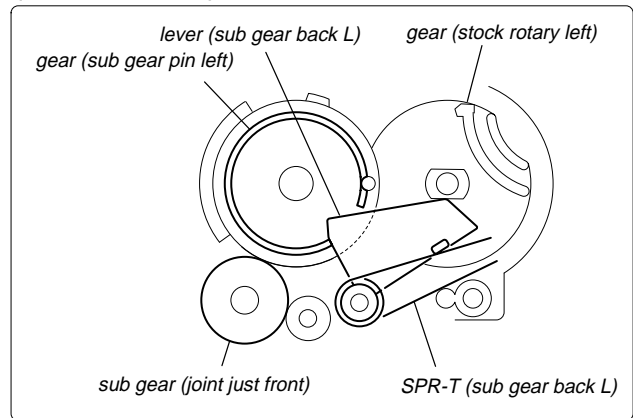
4-8. ASSEMBLING OF THE LEVER (SUB GEAR BACK L)



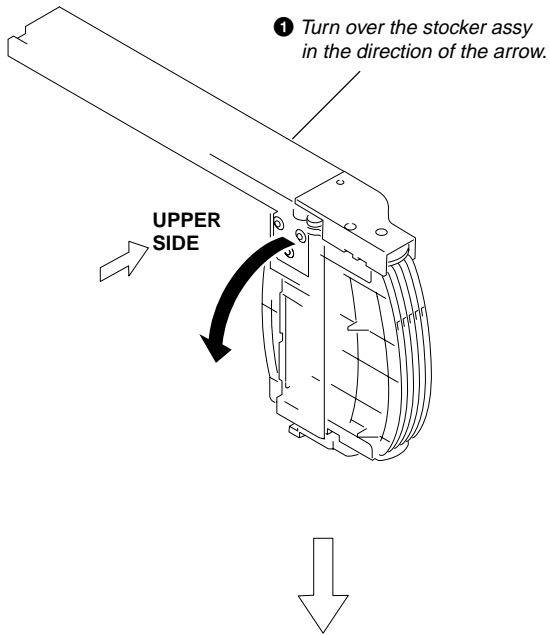
PRECAUTION DURING GEAR (SUB GEAR PIN LEFT) INSTALLATION



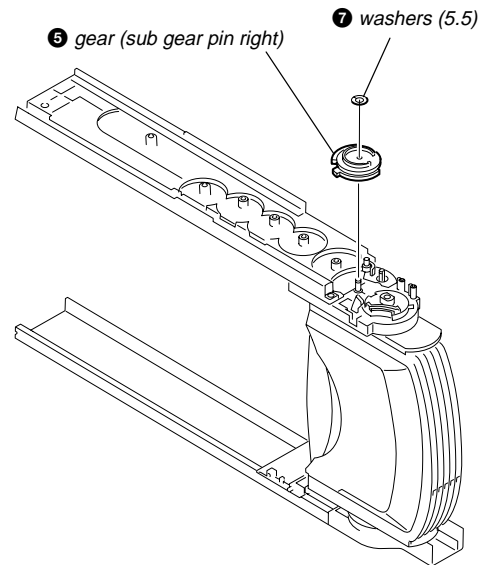
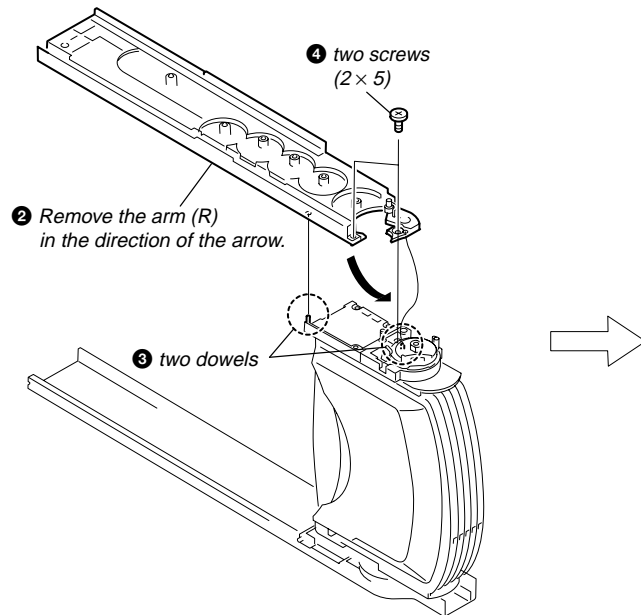
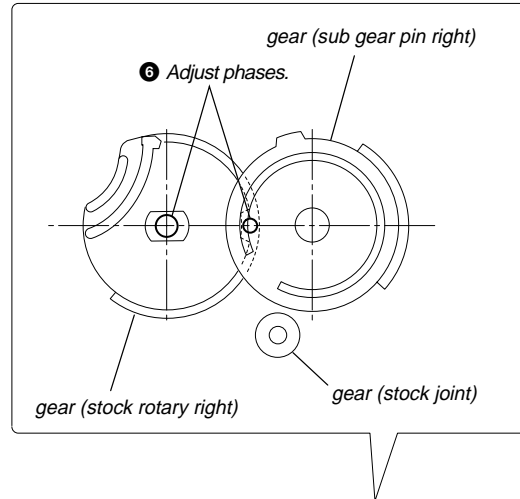
PRECAUTION DURING SPR-T (SUB GEAR BACK L) INSTALLATION



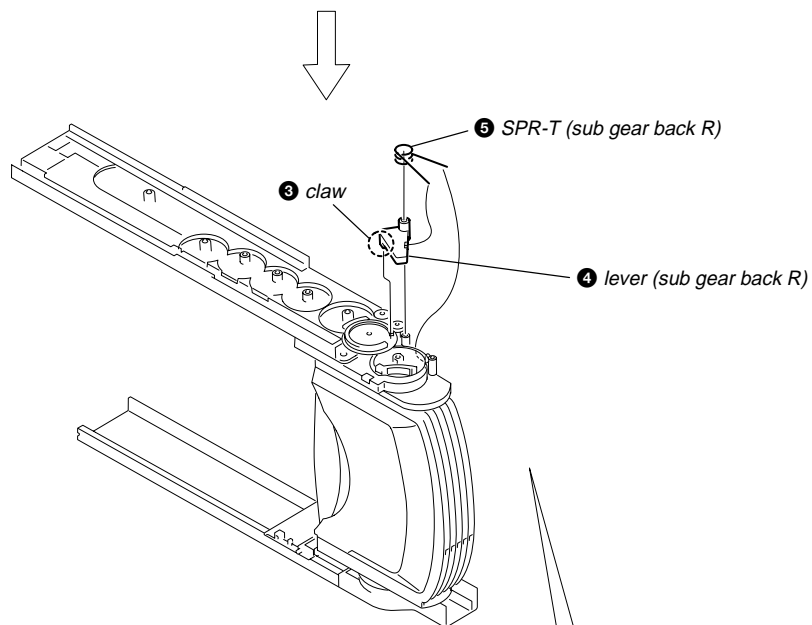
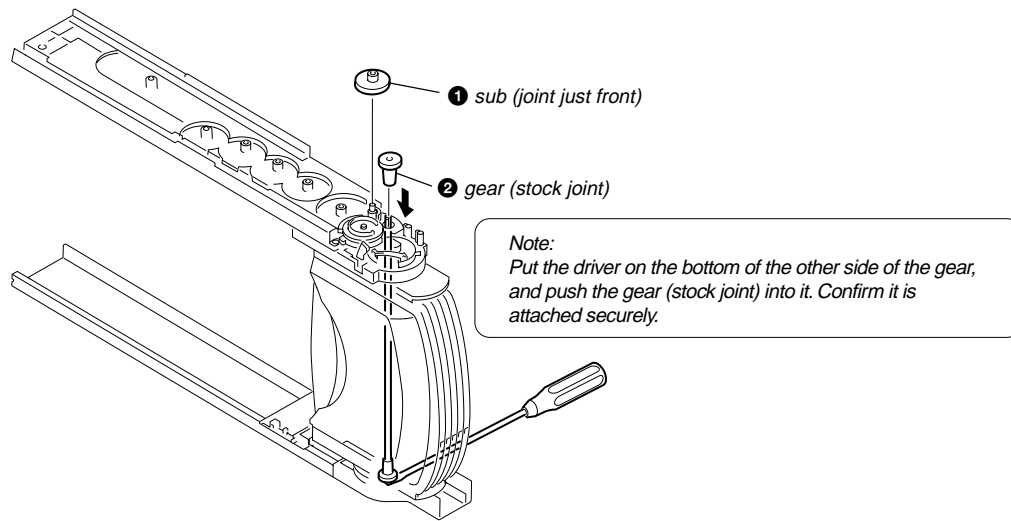
4-9. ASSEMBLING OF THE GEAR (SUB GEAR PIN RIGHT)



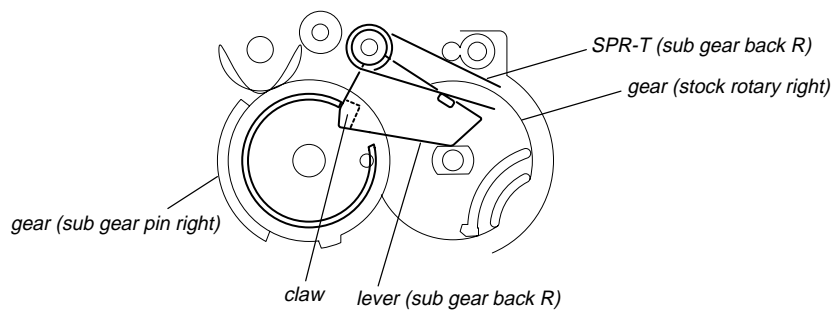
PRECAUTION DURING GEAR (SUB GEAR PIN RIGHT) INSTALLATION



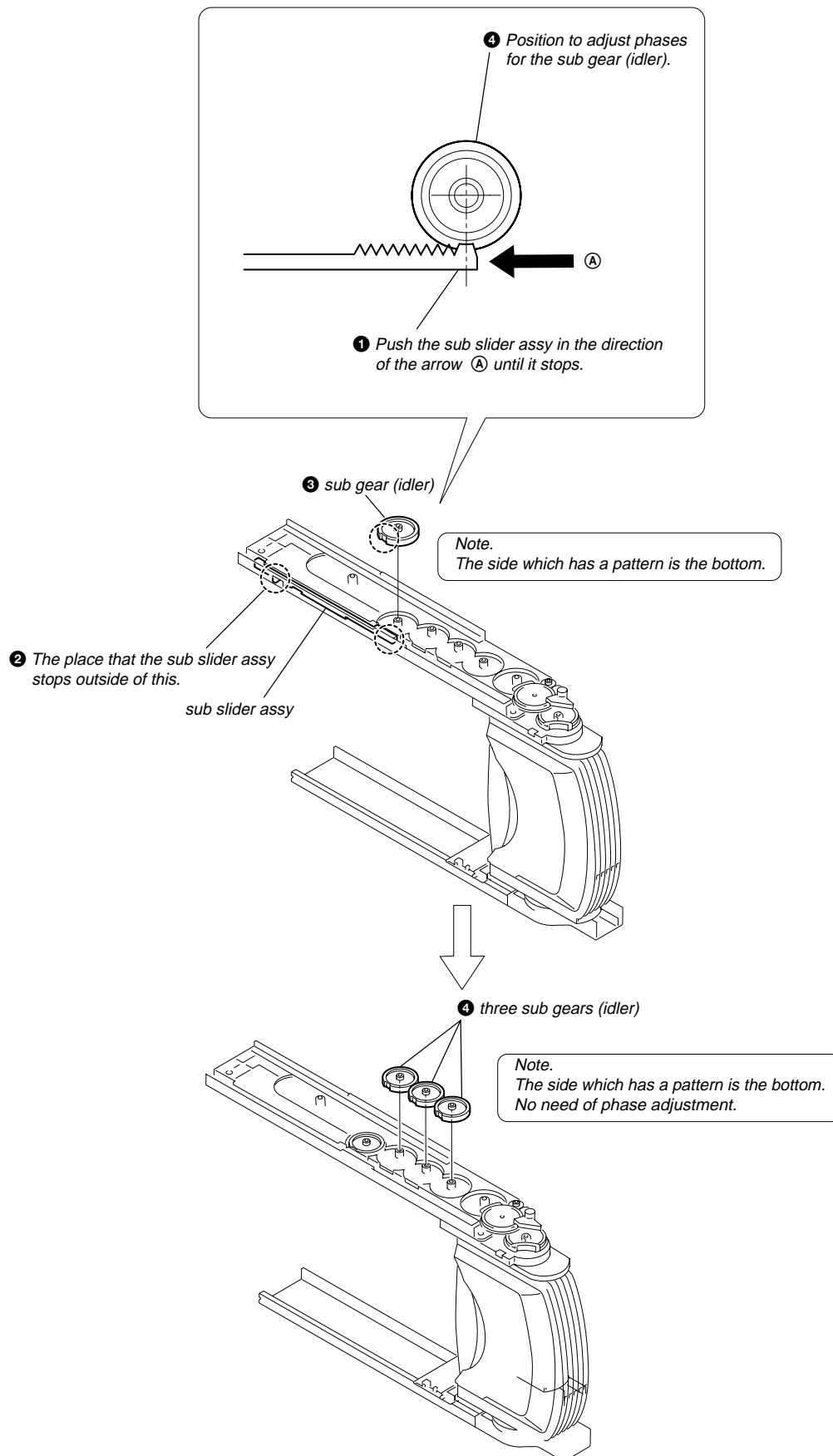
4-10. ASSEMBLING OF THE LEVER (SUB GEAR BACK R)



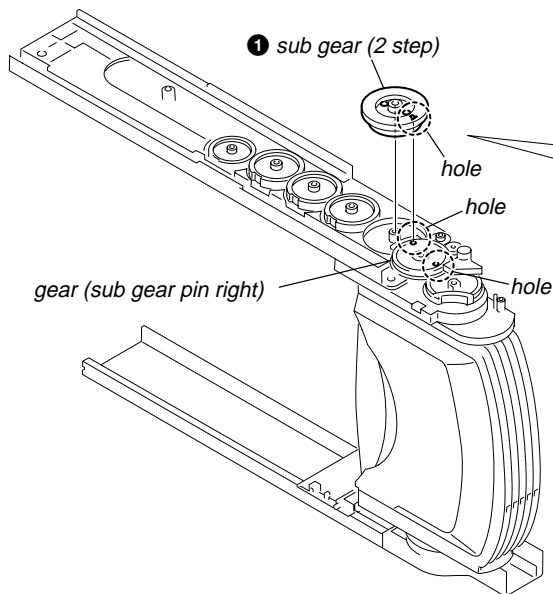
PRECAUTION DURING SPR-T (SUB GEAR BACK R) INSTALLATION



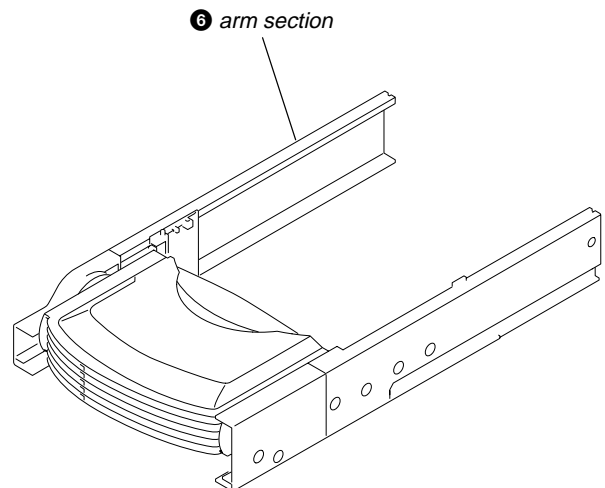
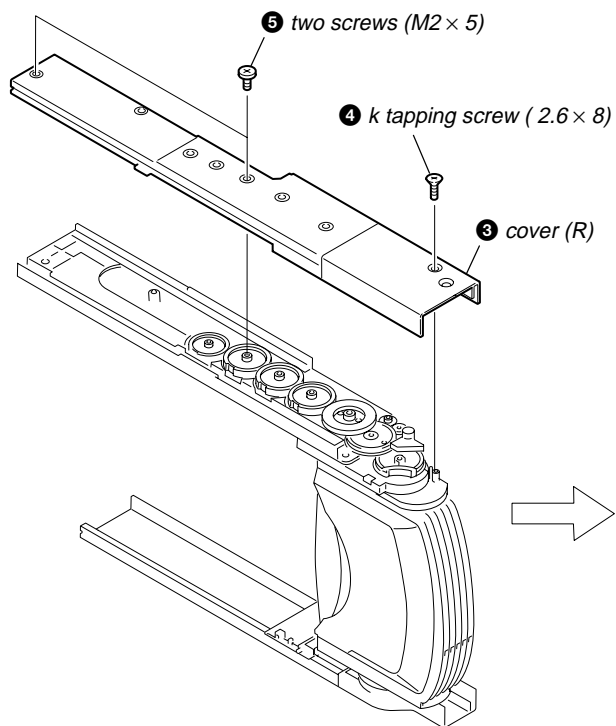
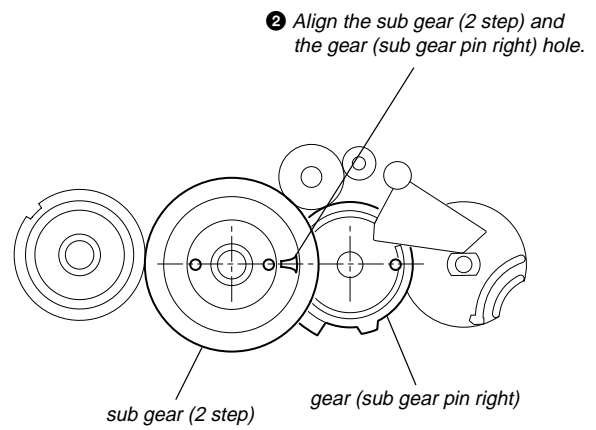
4-11. ASSEMBLING OF THE SUB GEAR (IDLER)



4-12. ASSEMBLING OF THE SUB GEAR (2 STEP)

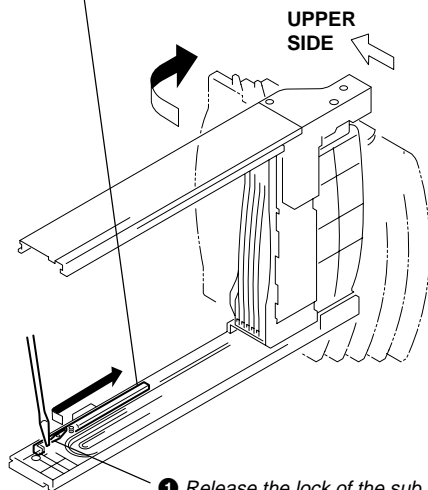


PRECAUTION DURING SUB GEAR (2 STEP) INSTALLATION

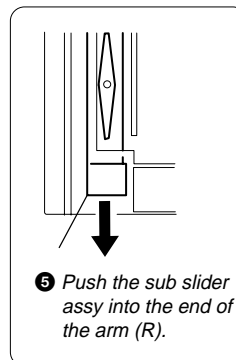


4-13. CONFIRMING THE ASSEMBLING OF THE ARM SECTION

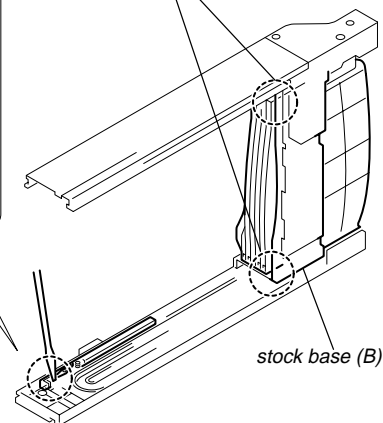
- ② Check point 1:
The smooth movement of
this part when sliding.



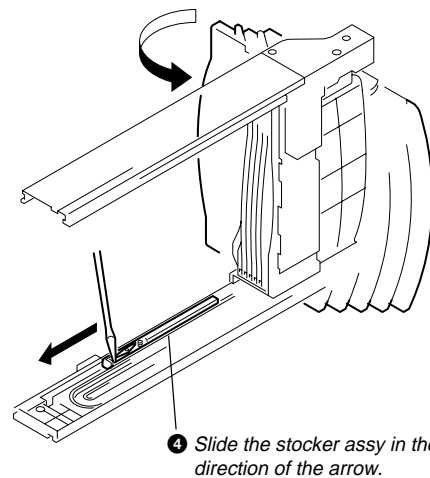
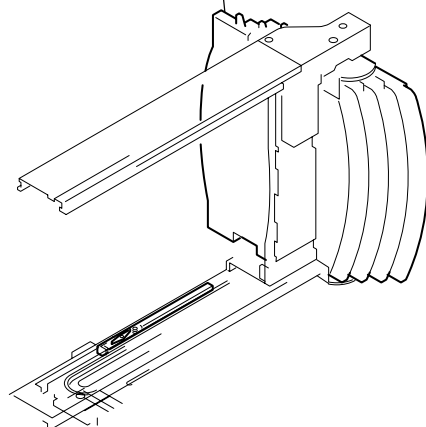
Note.
If the two parts of the stopper do not touch the stock base (B) when the sub slider assy is pushed to the end, the phases are not correctly adjusted. Reassemble the assy.



- ⑥ Check point 3:
Two parts of the stopper
touch the stock base (B).



- ③ Check point 2:
All the stocker assy is standing.




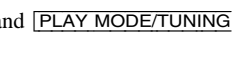


SECTION 5 TEST MODE

[MC COLD RESET]

The cold reset clears all data including preset data stored in the memory to initial conditions. Execute this mode when returning the set to the customer.


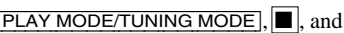


Procedure:

1. In the standby status, press the  button to turn the power on.
2. Press three buttons of , , and  simultaneously.
3. The set is reset, and become standby status.

[COMMON TEST MODE]








Enter The Common Test Mode

Procedure:

1. In the standby status, press the  button to turn the power on.
2. Press three buttons of , , and  simultaneously.
3. When the common test mode is activated, "SLEEP" and "PLAY" icons are blink and "MD" display on the fluorescent indicator tube.








AMP Test

Procedure:

1. In the common test mode, if turn the  knob clockwise, it displays "VOL MAX", and if turn the knob counterclockwise, it displays "VOL MIN".
The same operations as described above can also be performed by pressing the  and  buttons of the remote control.
2. If the  button of the remote control is pressed, "TONE MAX" is displayed for several seconds.
Pressing the  button once more displays the "TONE MIN", and another pressing displays "TONE FLAT".
3. "TONE MAX", "TONE MIN", and "TONE FLAT" are displayed repeatedly in this order each time the  button is pressed.
4. To release from this mode, press the  button to turn the power off.

Tape Test





Procedure:

1. In the common test mode, insert a tape.
2. Input any audio signal from the  jack (J301) on the MAIN board.
3. Press the  button, and press the  button to select the tape direction.
4. Press the  button again to start recording.
5. If press the  or  button, the tape is returned to recording start point by cue or review operation, and starts playback.
6. To release from this mode, press the  button to turn the power off.

[PANEL TEST MODE]


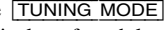

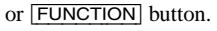



Enter The Panel Test Mode

Procedure:

1. In the standby status, press the  button to turn the power on.
2. Press three buttons of , , and  simultaneously.
3. When the panel test mode is activated, LEDs and segments of fluorescent indicator tube are all turned on.

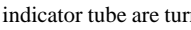

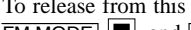


Version Check

Procedure:

1. In the panel test mode (all LEDs and segments of fluorescent indicator tube are turned on), press the  button.
2. Destination indication and model type indication are displayed on the fluorescent indicator tube alternately.
3. From this status, each time the  button is pressed, it changes the version display of module as follows.
4. To date of module, press the  or  button.
5. To release from this mode, press three buttons of , , and  simultaneously.

Key Check



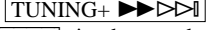
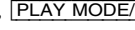


Procedure:

1. In the panel test mode (all LEDs and segments of fluorescent indicator tube are turned on), press the  button.
2. It displays "K 0 V0" on the fluorescent indicator tube.
3. Each time a button is pressed, "K" value increases. However, once a button is pressed, it is no longer taken into account. All keys are pressed, display becomes "K25".
4. "V" value increases like 1, 2, 3 ... if turn the  knob clockwise, or it decreases like 0, 9, 8 ... if turn the knob counterclockwise.
5. To release from this mode, press three buttons of , , and  simultaneously.

[CD REPEAT 5 LIMIT CANCEL MODE]

Number of repeat for CD playback is 5 times when the repeat mode is "REPEAT". This mode enables CD to repeat playback for limitless times.





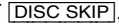
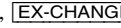
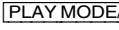
Procedure:

1. Press the  button to turn the power on.
2. Press the  button to select CD function.
3. Press three buttons of , , and  simultaneously.
4. It enters the CD repeat 5 limit cancel mode and display "LIMIT OFF"
5. To release this mode, press the  button to turn the power off.

[CD SHIP MODE]

This mode can run the CD sled motor optionally. Use this mode, for instance, when cleaning the optical pick-up.








Procedure:

1. Press the  button to turn the power on.
2. Press the  button to select CD function.
3. Press three buttons of  and  simultaneously.
*1
4. Set to the CD ship mode. (chucking on)
5. After blink "STANDBY", "LOCK" is displayed, disconnect the AC plug.
*1) If press three buttons of ,  and  simultaneously, Activate the CD ship mode and MC cold reset.

[CD SLOT LOCK]

This mode is for the antitheft of CD disc in shop. (not for transport)


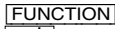



Procedure:

1. Press the  button to turn the power on.
2. Press the  button to select CD function.
3. Insert a disc.
4. While pressing the  button, press the  (CD) button for more 5 seconds.
5. The message "LOCKED" is displayed and the disc slot is locked. (Even if exiting from this mode, the disc slot is still locked)
6. If press the  (CD) button to eject the disc, the message "LOCKED" is displayed and can not eject the disc.
7. To release this lock, while pressing the  button, press the  (CD) button for 5 seconds again.
8. The message "UNLOCKED" is displayed and the disc slot is unlocked.

[CD POWER MANAGE]

This mode is for switch the CD power supply on/off. Even if this state pulls out AC plug, it is held.




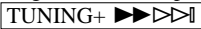

Procedure:

1. Press the  button to turn the power on.
2. Press the  button to select CD function.
3. Press the  button again to turn the power off (standby).
4. While pressing the  button, press the  button.
5. It turns power on and display "CD POWER", then display "ON" or "OFF".

[CHANGE-OVER THE AM TUNING INTERVAL]

The AM tuning interval can be changed over 9 kHz or 10 kHz.




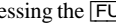

Procedure:

1. Press the  button to turn the power on.
2. Press the  button to select TUNER (AM) function.
3. Press the  button again to turn the power off (standby).
4. While pressing the  button, press the  button.
5. It turns power on and display "STEP 9kHz" or "STEP 10kHz", and thus the tuning interval is changed over.

[MD/VIDEO FUNCTION CHANGE]

Select either VIDEO or MD of the external input.

Procedure:


1. Press the  button to turn the power on.
2. Press the  button to select MD or VIDEO function.
3. Press the  button again to turn the power off (standby).
4. While pressing the  button, press the  button.
5. The another function of the previous function is selected and display "MD" or "VIDEO".

SECTION 6 ELECTICAL ADJUSTMENTS

DECK SECTION

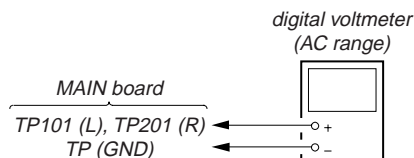
1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjust.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed for both L-CH and R-CH.
6. Switches and controls should be set as follows unless otherwise specified.

Procedure:

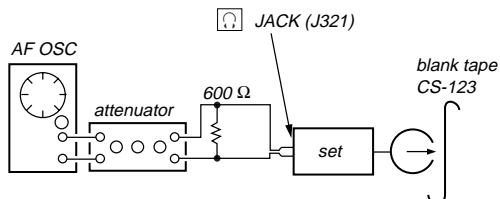
1. Connect a digital voltmeter (AC range) to TP101 (L), TP201 (R) and TP (GND) on the MAIN board.
2. Insert a blank tape (CS-123).
3. Press the  button to turn the power on, and press the **[FUNCTION]** button to select TAPE function.
4. Press the **[REC]** button twice to start recording.
5. Adjust RV101 (L-ch), RV201 (R-ch) on the MAIN board so that the digital voltmeter reads AC 6.15 V.
6. Connect an oscilloscope or frequency counter to TP101 (L), TP201 (R) and TP (GND) on the MAIN board.
7. Confirm that the frequency is 82 kHz \pm 3 kHz.

REC BIAS ADJUSTMENT

Setting:

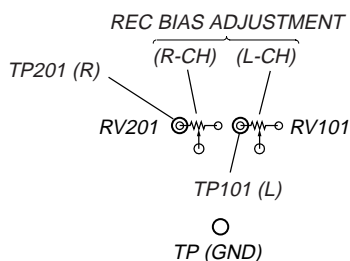


Mode: REC



Adjustment Location:

– MAIN BOARD (Conductor Side) –

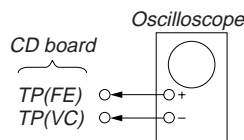


CD SECTION

Note:

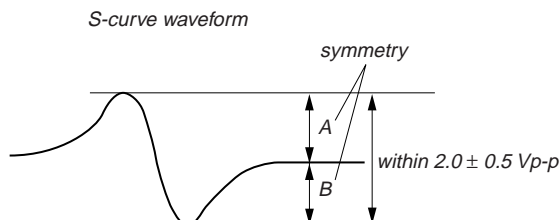
1. CD Block is basically designed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than $10M\Omega$ impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

S-CURVE CHECK



Procedure :

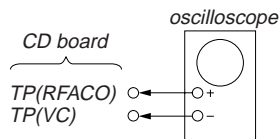
1. Connect an oscilloscope to TP (FE) and TP (VC) on the CD board.
2. Press the $\boxed{I/O}$ button to turn the power ON.
3. Load a disc (YEDS-18) and actuate the focus search. (In consequence of open and close the disc tray, actuate the focus search)
4. Confirm that the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 2.0 ± 0.5 Vp-p.



- Note:**
- Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7.
 - Take sweep time as long as possible and light up the brightness to obtain best waveform.

Connecting Location: CD board

RFAC LEVEL CHECK



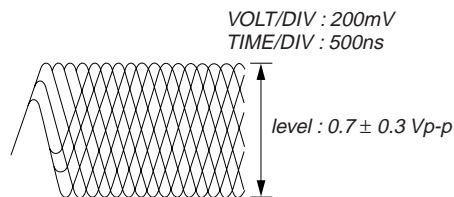
Procedure :

1. Connect an oscilloscope to TP (RFACO) and TP (VC) on the CD board.
2. Press the $\boxed{I/O}$ button to turn the power ON.
3. Load a disc (YEDS-18) and playback.
4. Confirm that oscilloscope waveform is clear and check if RFAC signal level is correct or not.

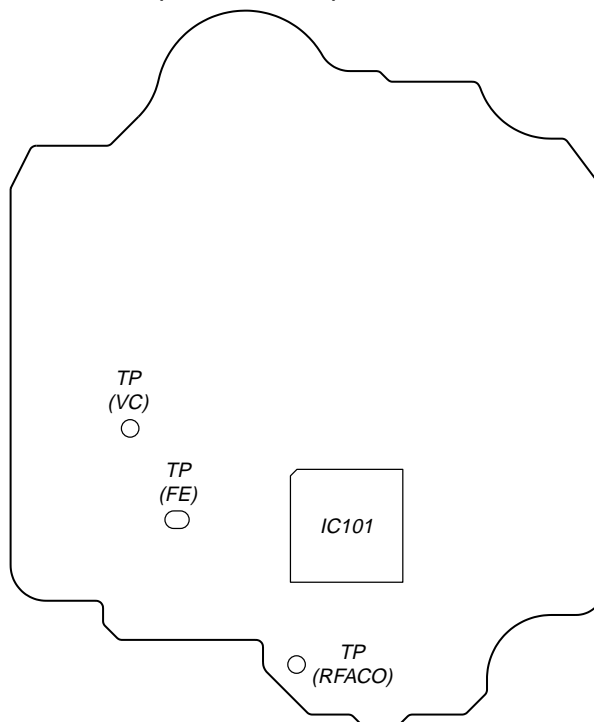
Note: Clear RFAC signal waveform means that the shape “ \diamond ” can be clearly distinguished at the center of the waveform.

Connecting Location: CD board

RF signal waveform

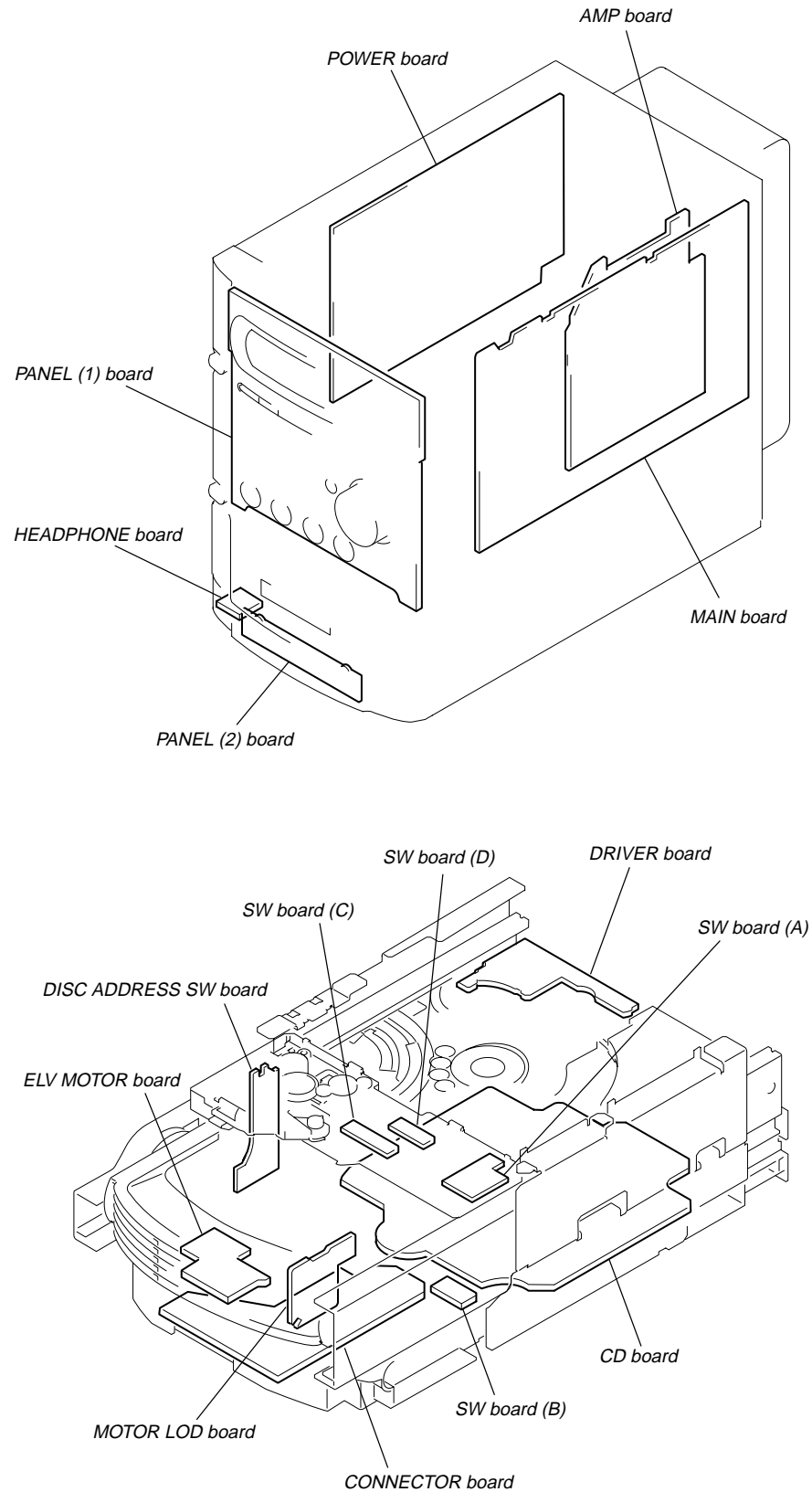


– CD BOARD (Conductor Side) –



SECTION 7 DIAGRAMS

• Circuit Boards Location



NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

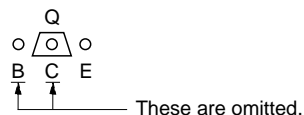
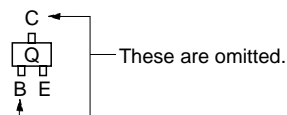
Note on Printed Wiring Boards:

- — : parts extracted from the component side.
- : parts extracted from the conductor side.
- — : indicates side identified with part number.
- △ : internal component.
- : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

Caution:

Pattern face side: Parts on the pattern face side seen from (Conductor Side) the pattern face are indicated.
Parts face side: Parts on the parts face side seen from (Component Side) the parts face are indicated.

- Indication of transistor.



Note on Schematic Diagram:

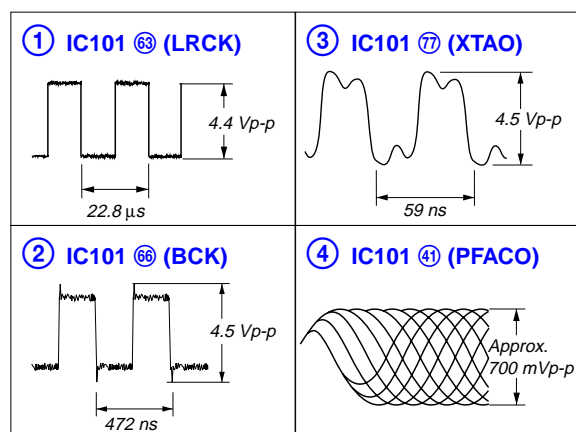
- All capacitors are in μF unless otherwise noted. (p: pF)
- 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4} \text{ W}$ or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

Note: The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

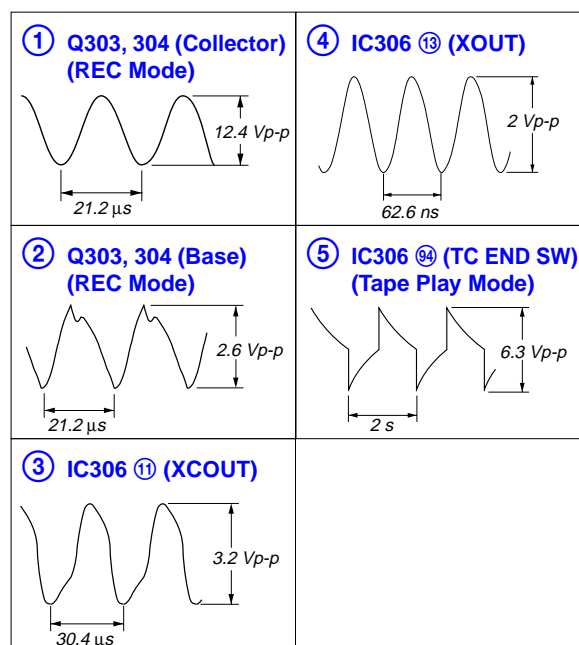
- : B+ Line.
- - - : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (Input impedance $10 \text{ M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - ⇒ : TUNER (FM/AM)
 - ⇒ : TAPE PLAY
 - ⇒ : TAPE REC
 - ⇒ : CD PLAY
 - ⇒ : AUX IN
- Abbreviation
 - AR : Argentine model.
 - AUS : Australian model.
 - CND : Canadian model.
 - EA : Saudi Arabia model.

• Waveforms

— CD Board —



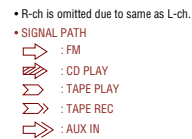
— MAIN Board —



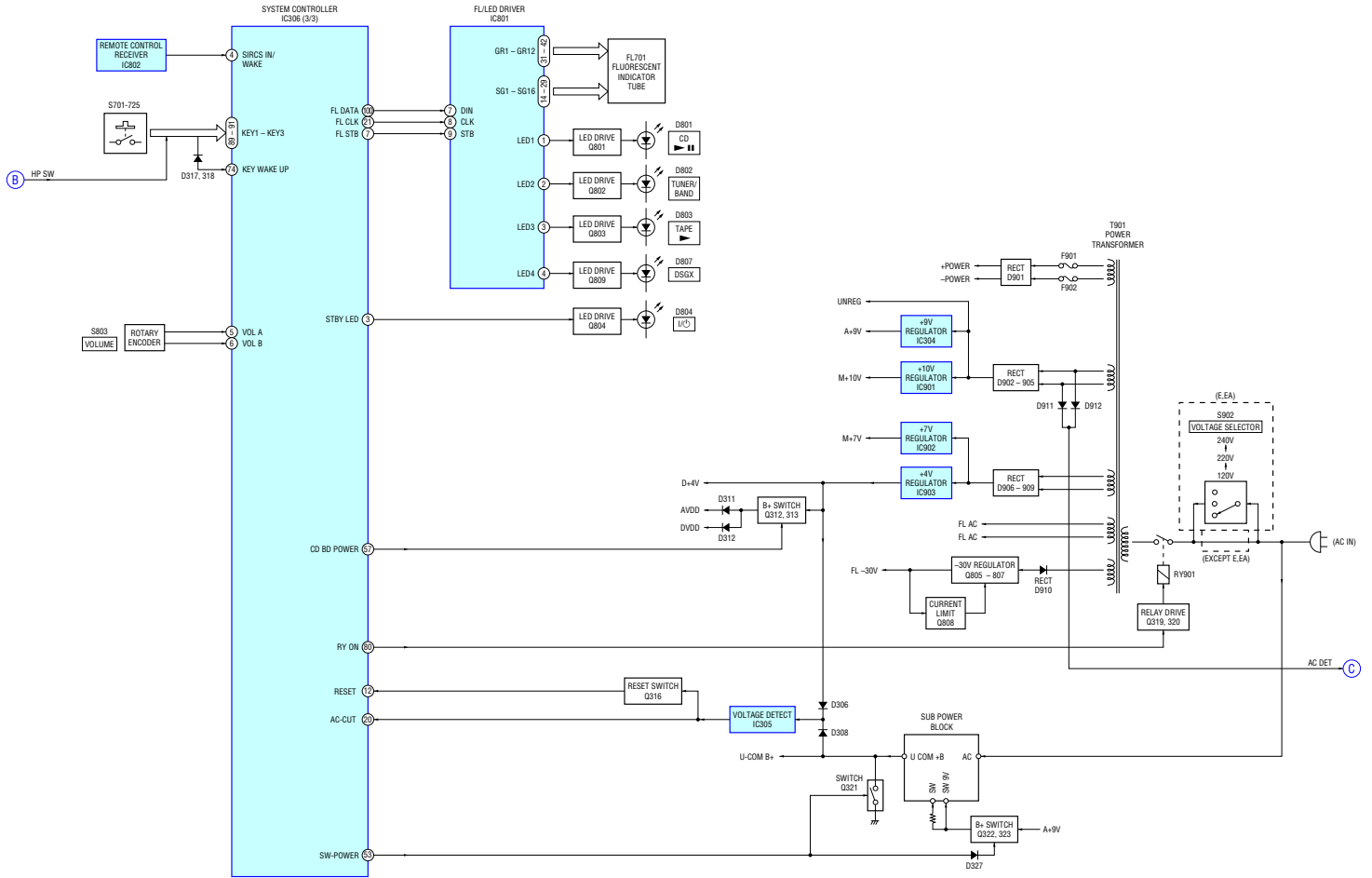
59




7-2. BLOCK DIAGRAMS — MAIN SECTION —

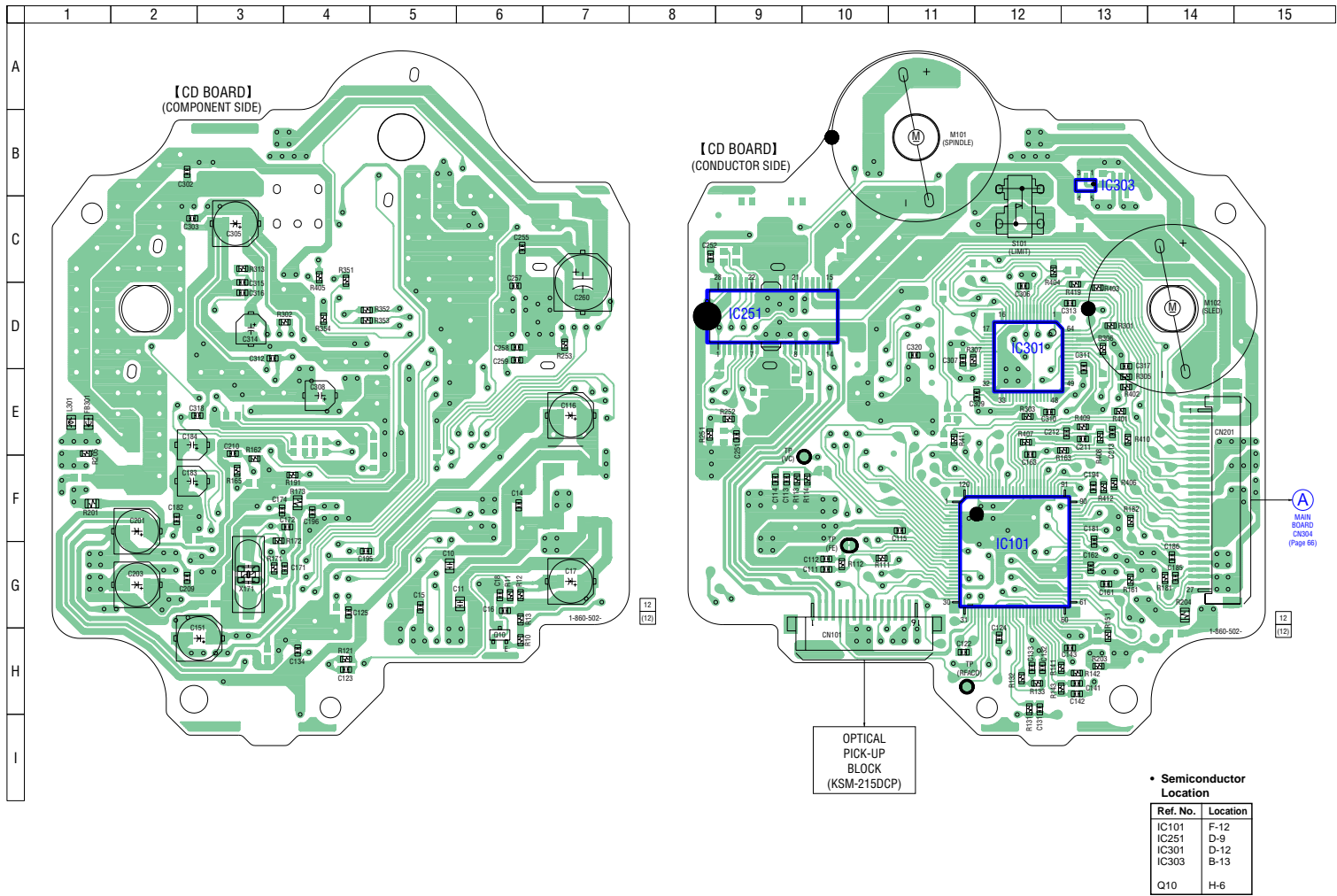


7-3. BLOCK DIAGRAMS — PANEL/POWER SUPPLY SECTION —

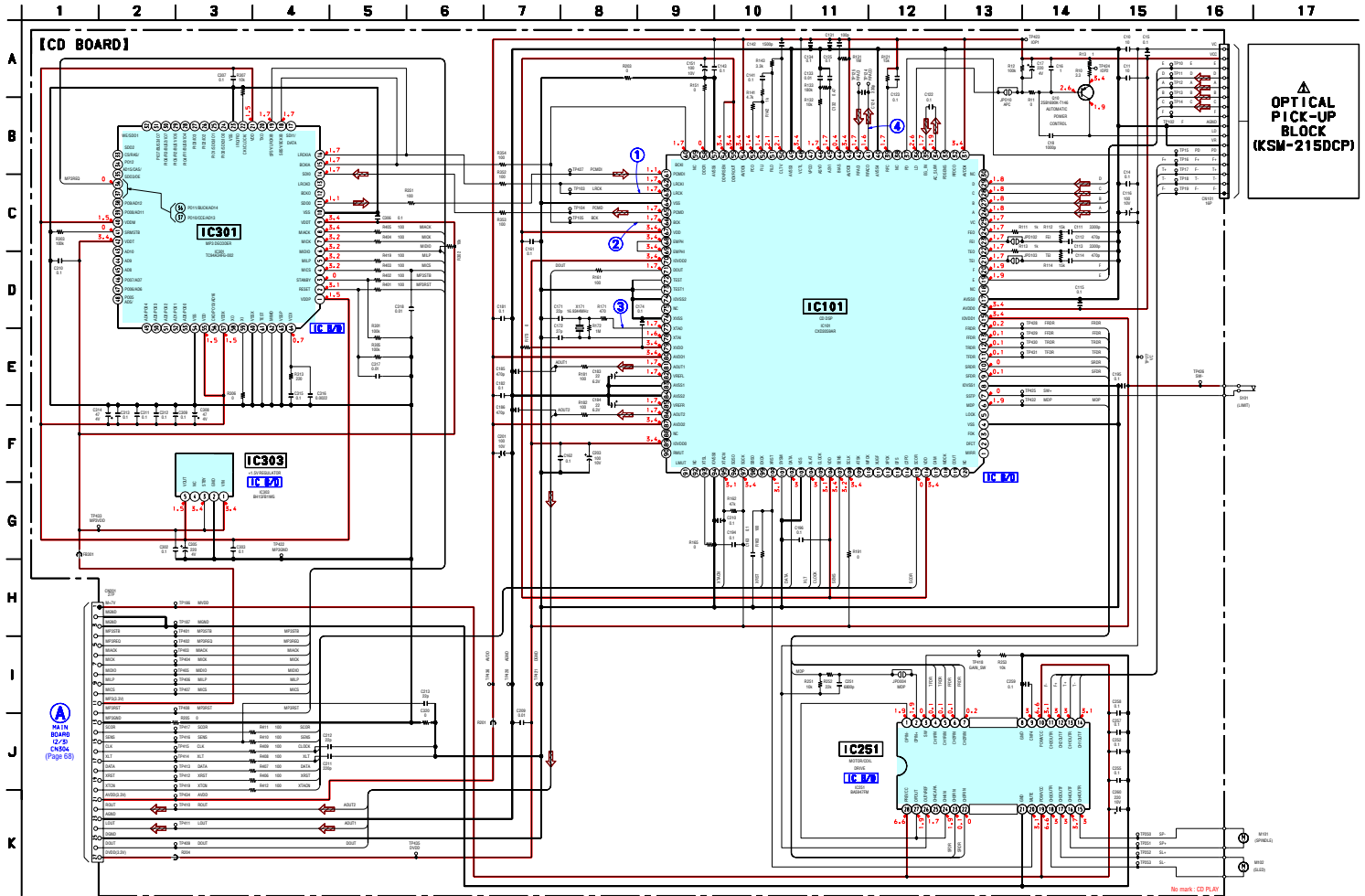


HCD-HPX9


7-4. PRINTED WIRING BOARD — CD BOARD — • See page 57 for Circuit Boards Location.  :Uses unleaded solder.

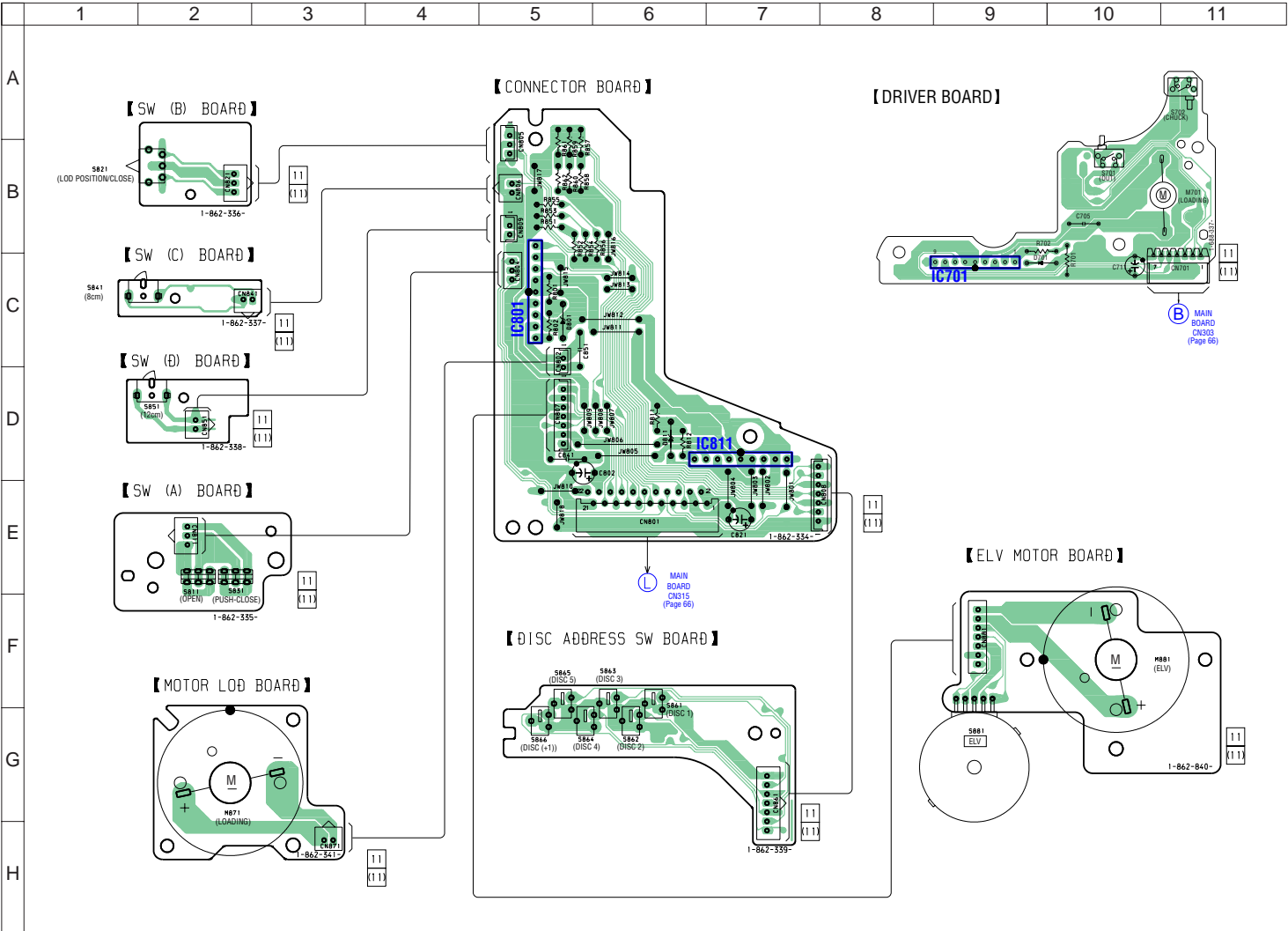


7-5. SCHEMATIC DIAGRAM — CD BOARD — • See page 58 for Waveforms. • See page 76, 77 for IC Block Diagrams.



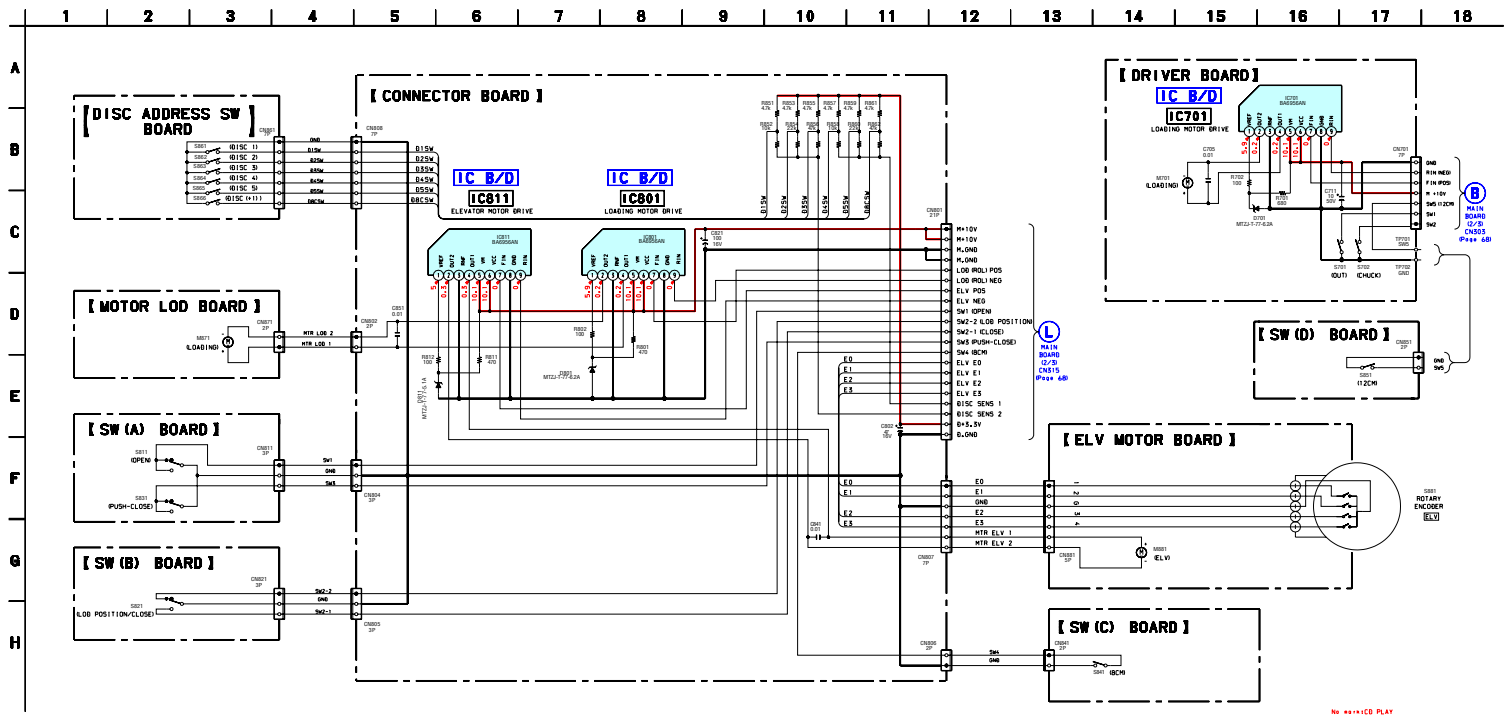
HCD-HPX9

7-6. PRINTED WIRING BOARD — CD MECHANISM SECTION — • See page 57 for Circuit Boards Location.  :Uses unleaded solder.




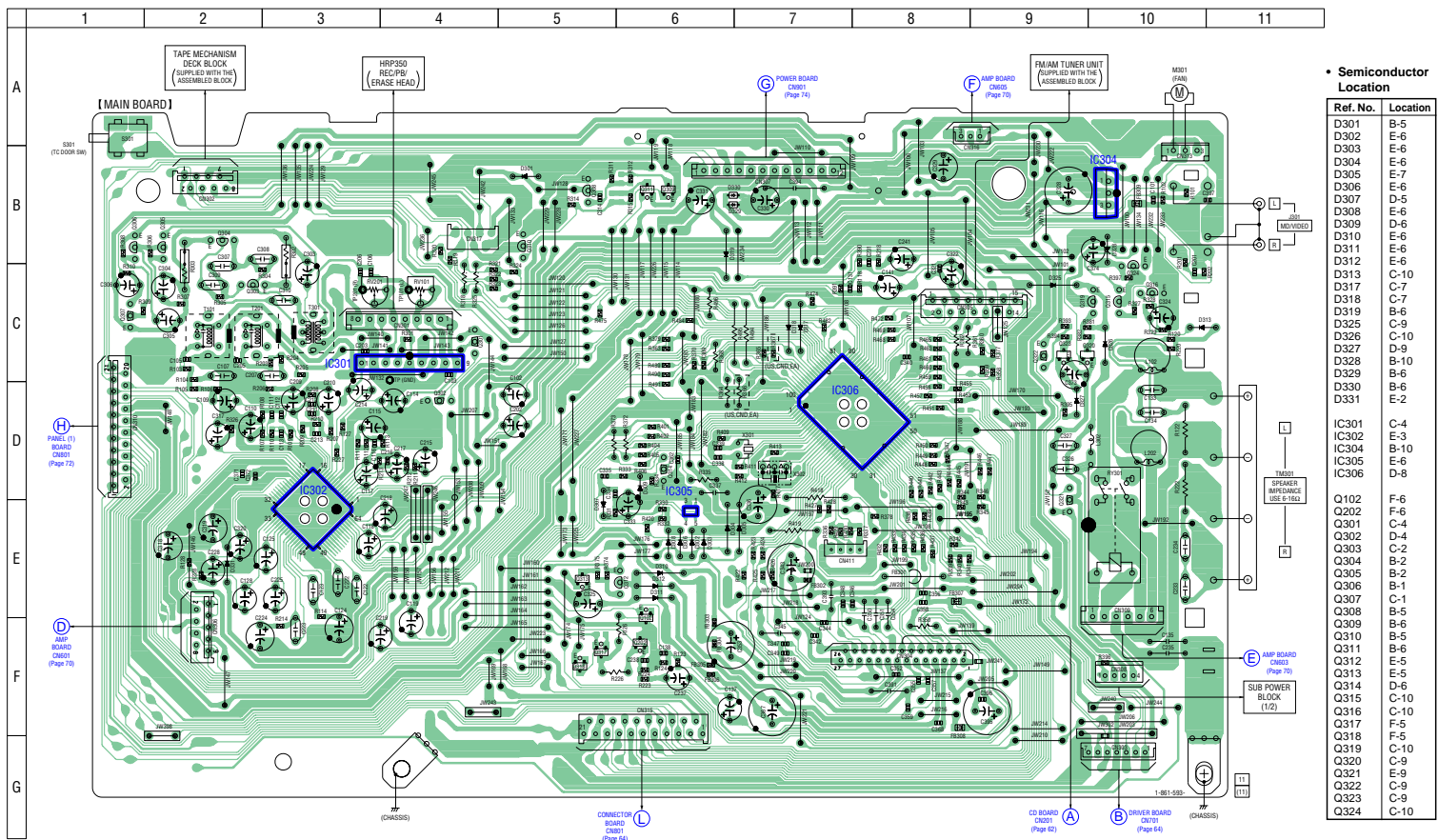
HCD-HPX9

7-7. SCHEMATIC DIAGRAM — CD MECHANISM SECTION — • See page 78 for IC Block Diagram.



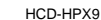
HCD-HPX9

7-8. PRINTED WIRING BOARD — MAIN BOARD — • See page 57 for Circuit Boards Location.  :Uses unleaded solder.

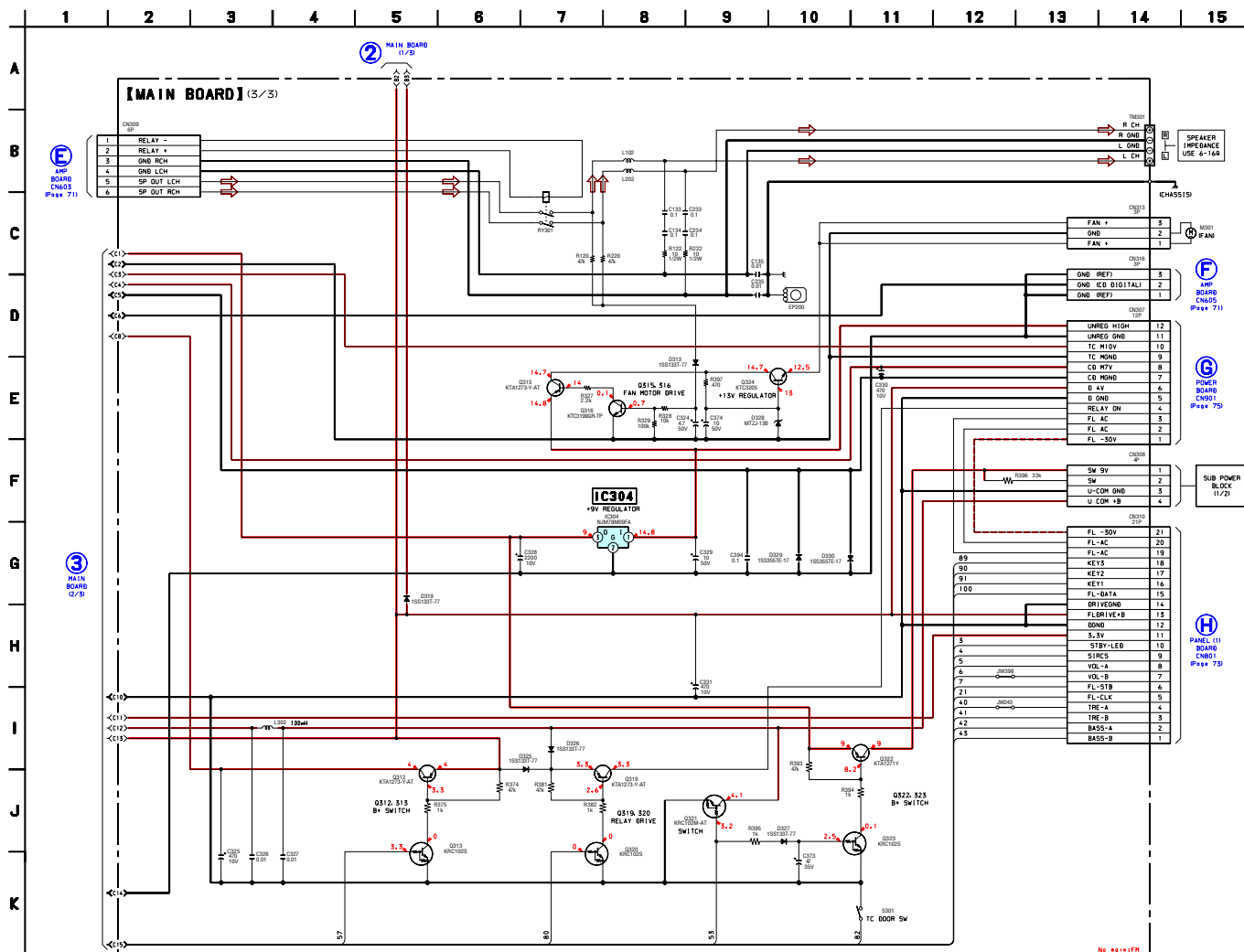


②
MAIN
BOARD
(C)


7-10. SCHEMATIC DIAGRAM — MAIN BOARD (2/3) — • See page 58 for Waveforms. • See page 80 for IC Pin Function Description.

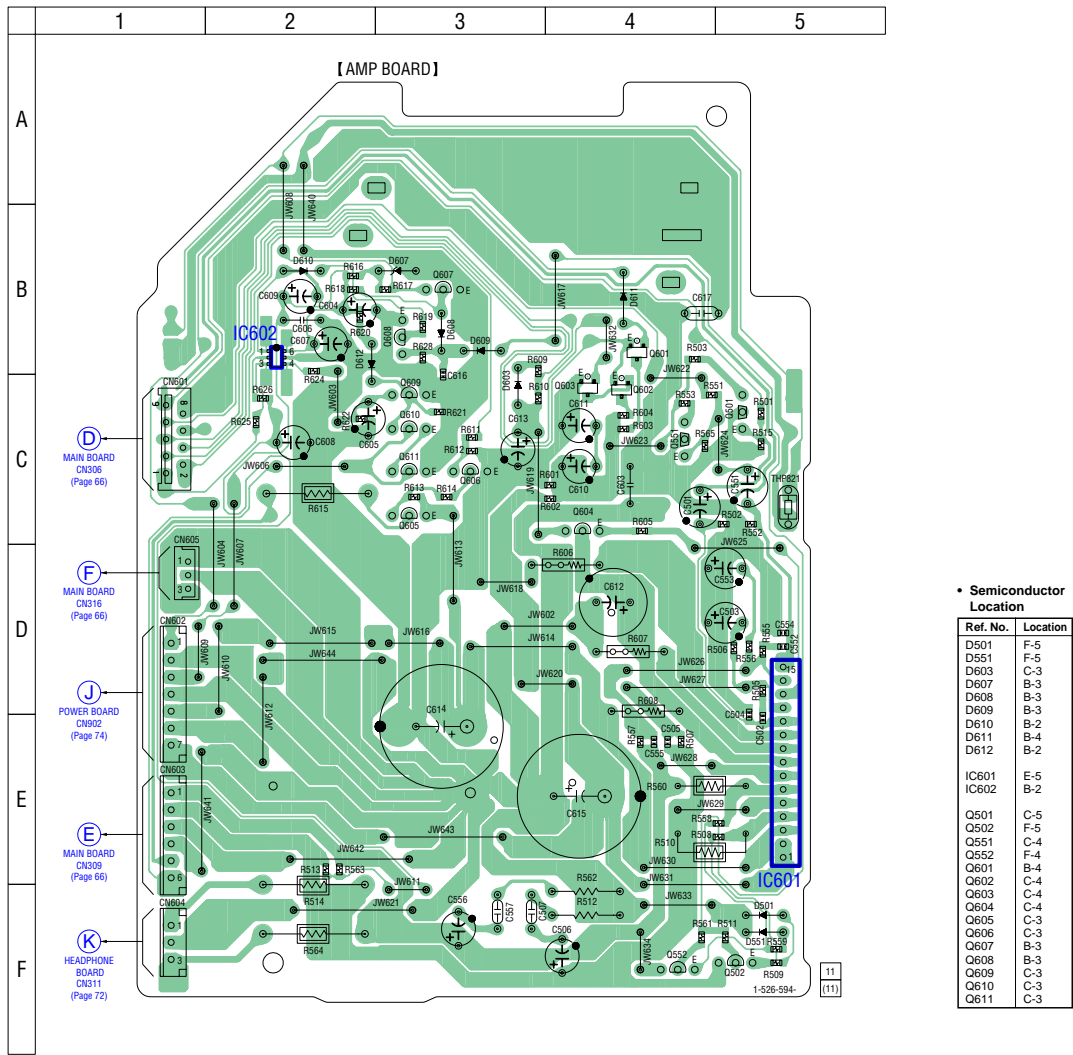


7-11. SCHEMATIC DIAGRAM — MAIN BOARD (3/3) —



HCD-HPX9

7-12. PRINTED WIRING BOARD — AMP BOARD — • See page 57 for Circuit Boards Location.  :Uses unleaded solder.

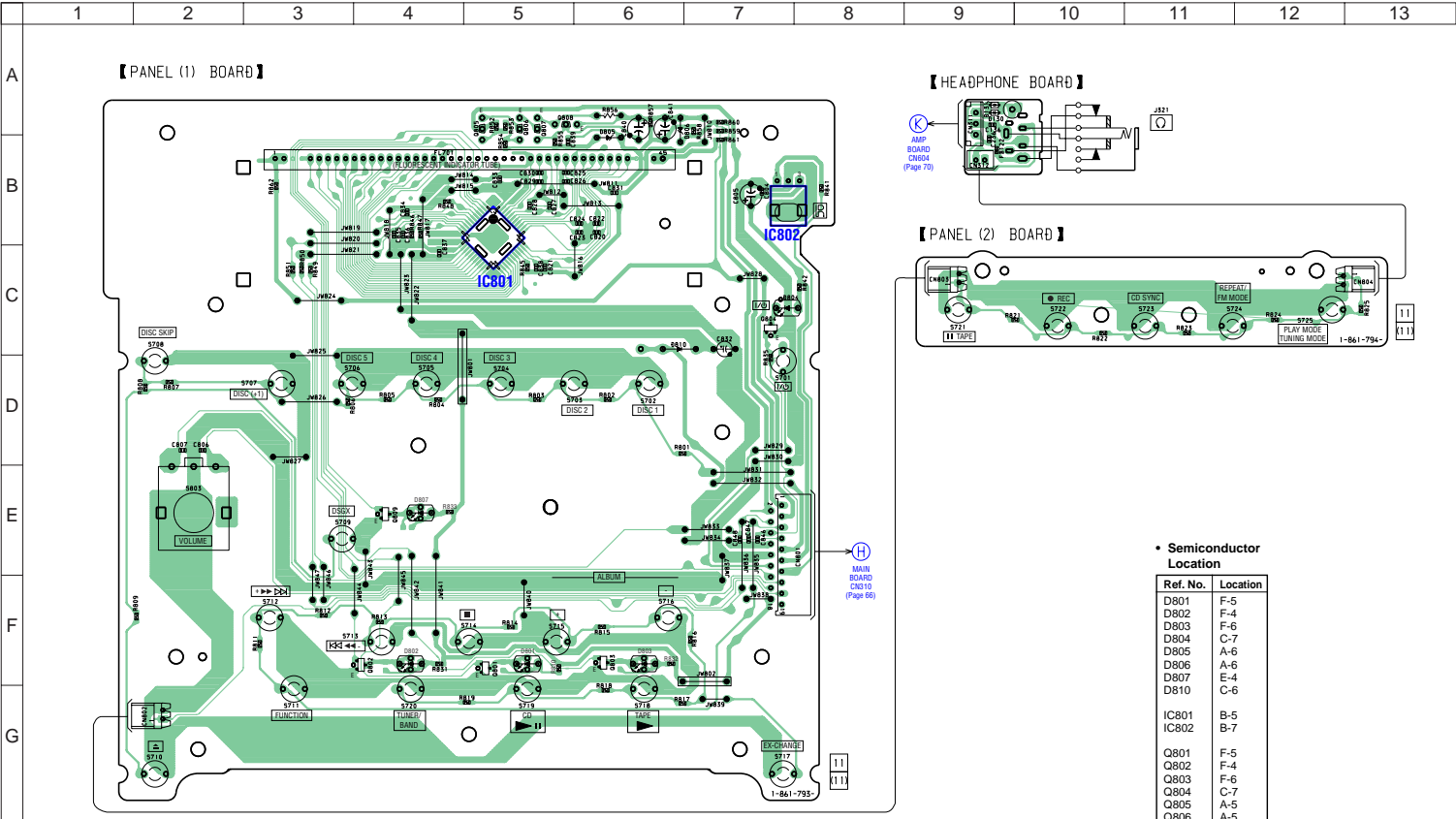


71

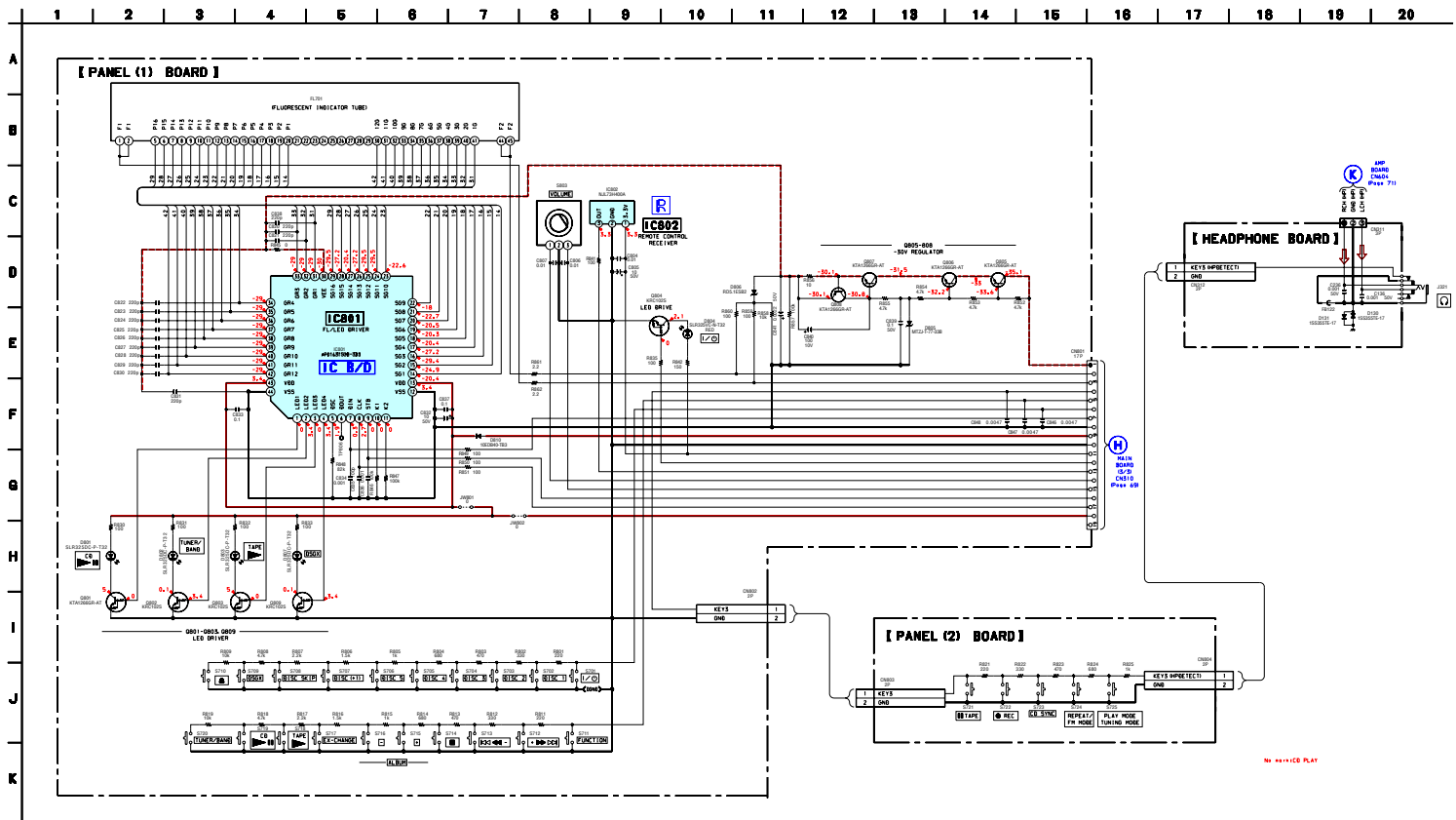


HCD-HPX9


7-14. PRINTED WIRING BOARD — PANEL SECTION — • See page 57 for Circuit Boards Location.  :Uses unleaded solder.

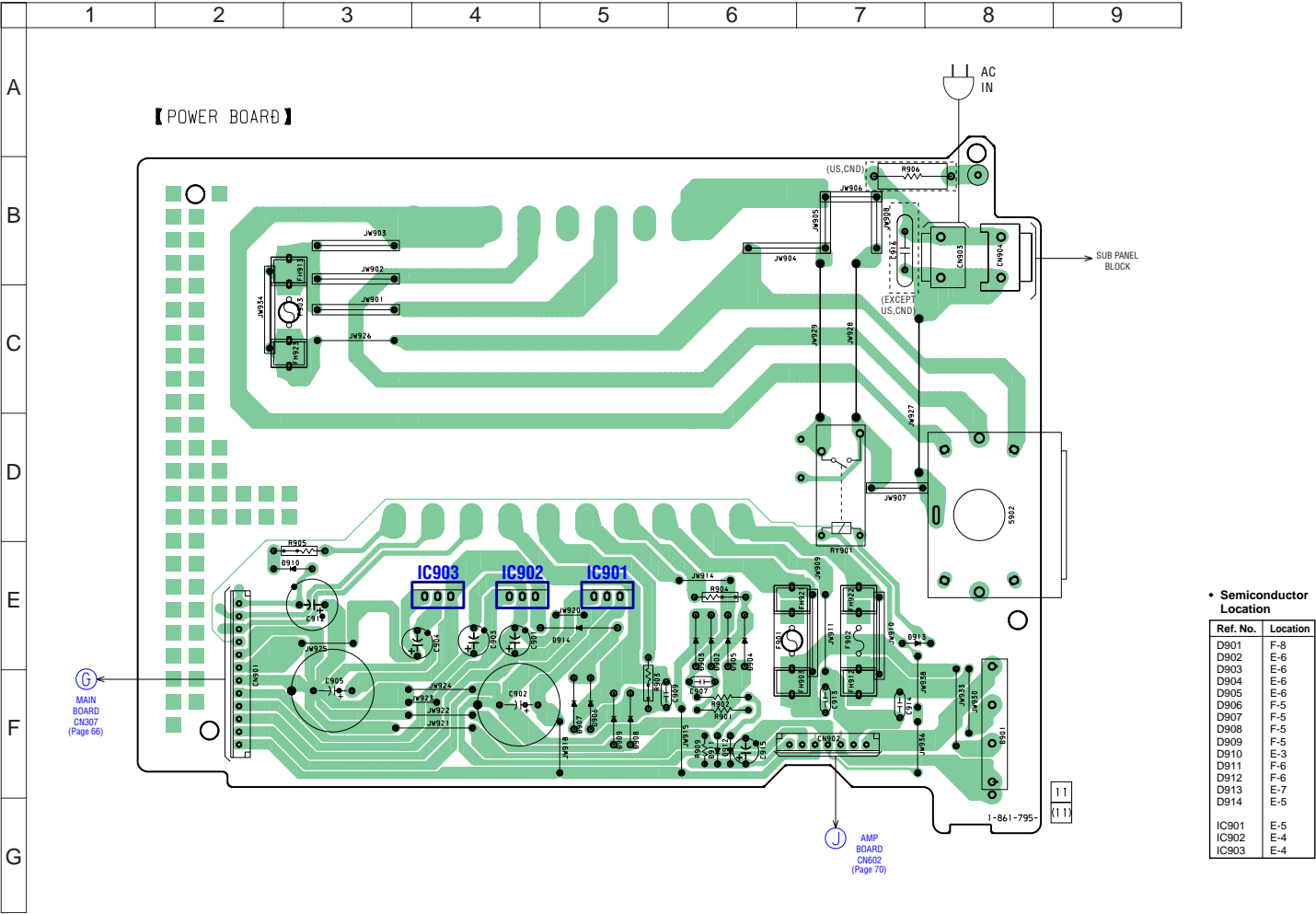


7-15. SCHEMATIC DIAGRAM — PANEL SECTION — • See page 79 for IC Block Diagram.



HCD-HPX9

7-16. PRINTED WIRING BOARD — POWER BOARD — • See page 57 for Circuit Boards Location.  :Uses unleaded solder.

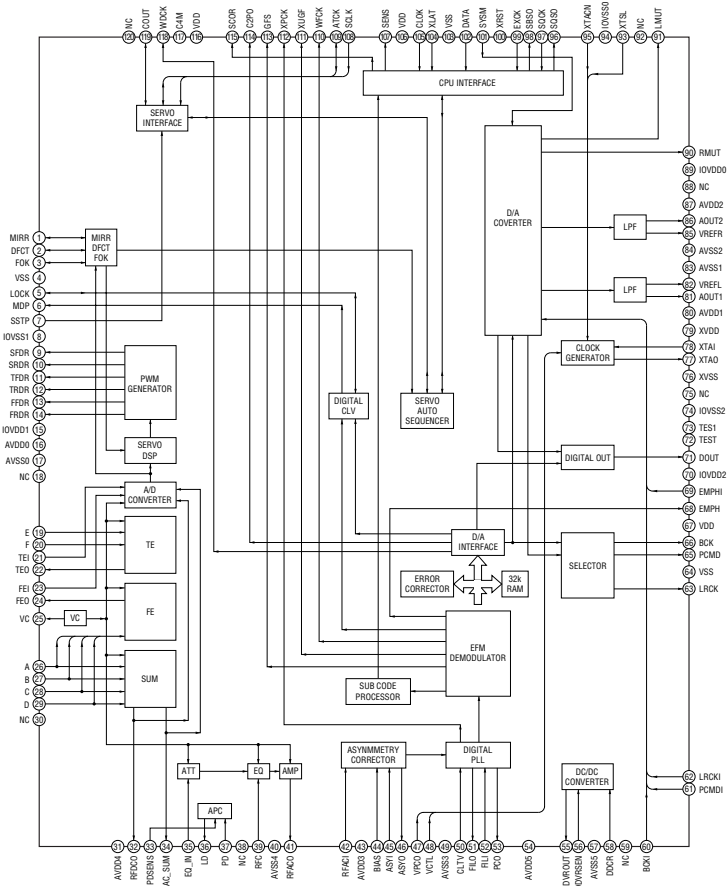




HCD-HPX9

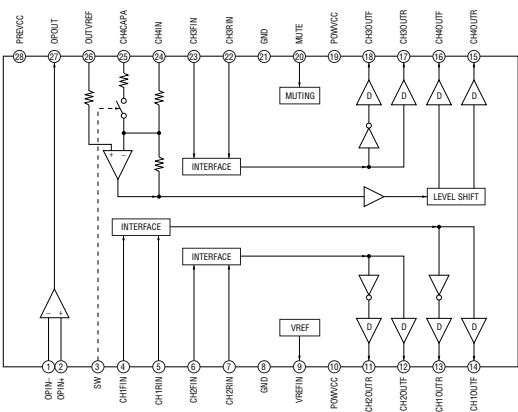
- IC Block Diagrams
- CD BOARD –

IC101 CXD3059AR

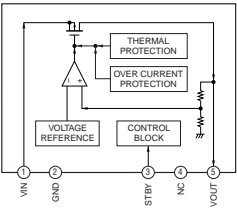


HCD-HPX9

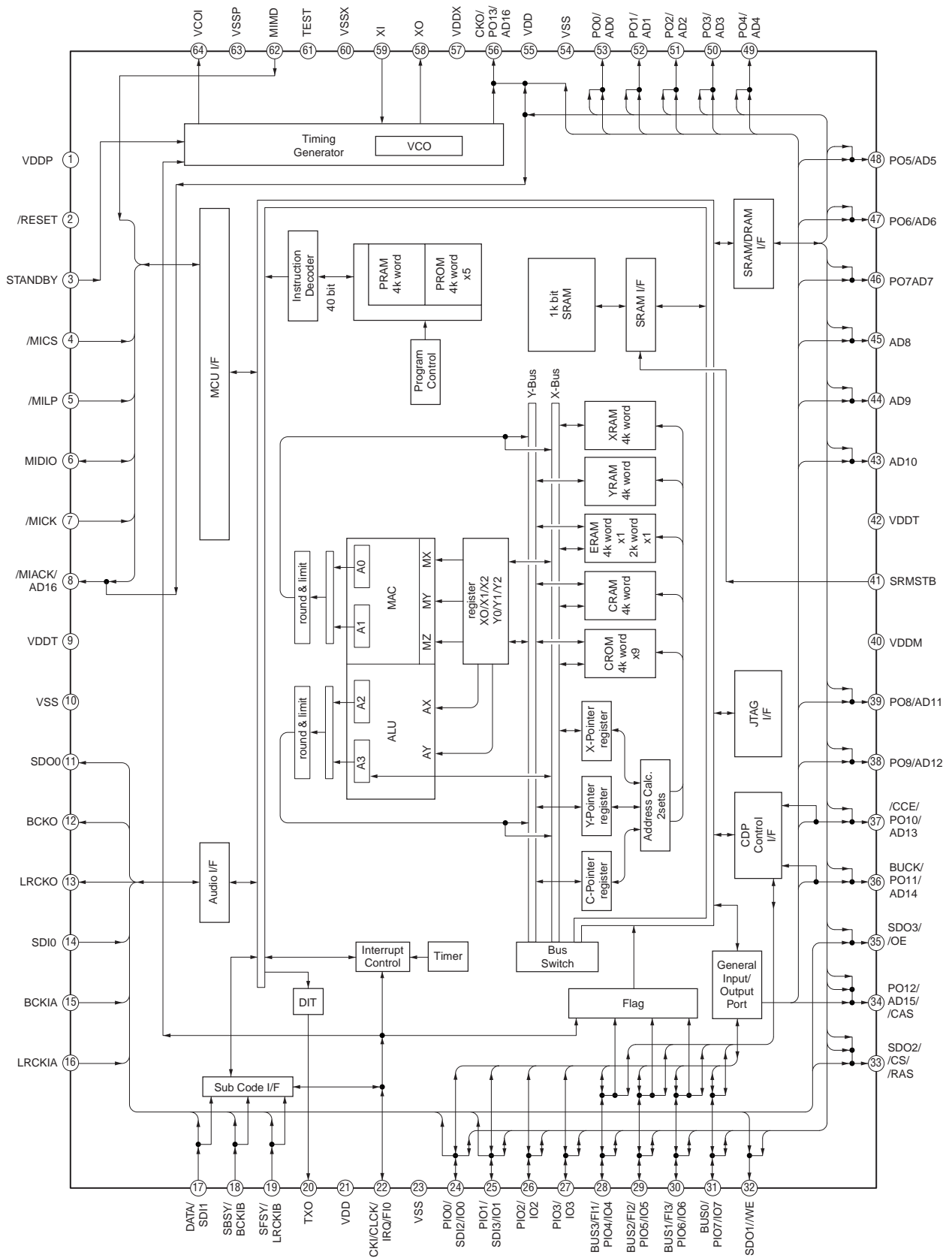
IC251 BA5947FM



IC303 BH15FB1WG



IC301 TC94A34FG-002

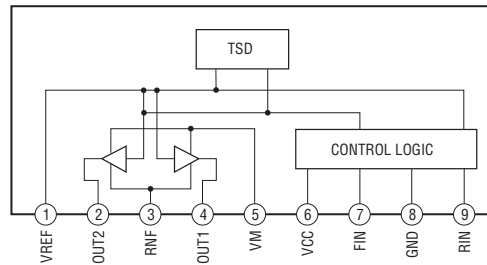


– CONNECTOR BOARD –

IC801, 811 BA6956AN

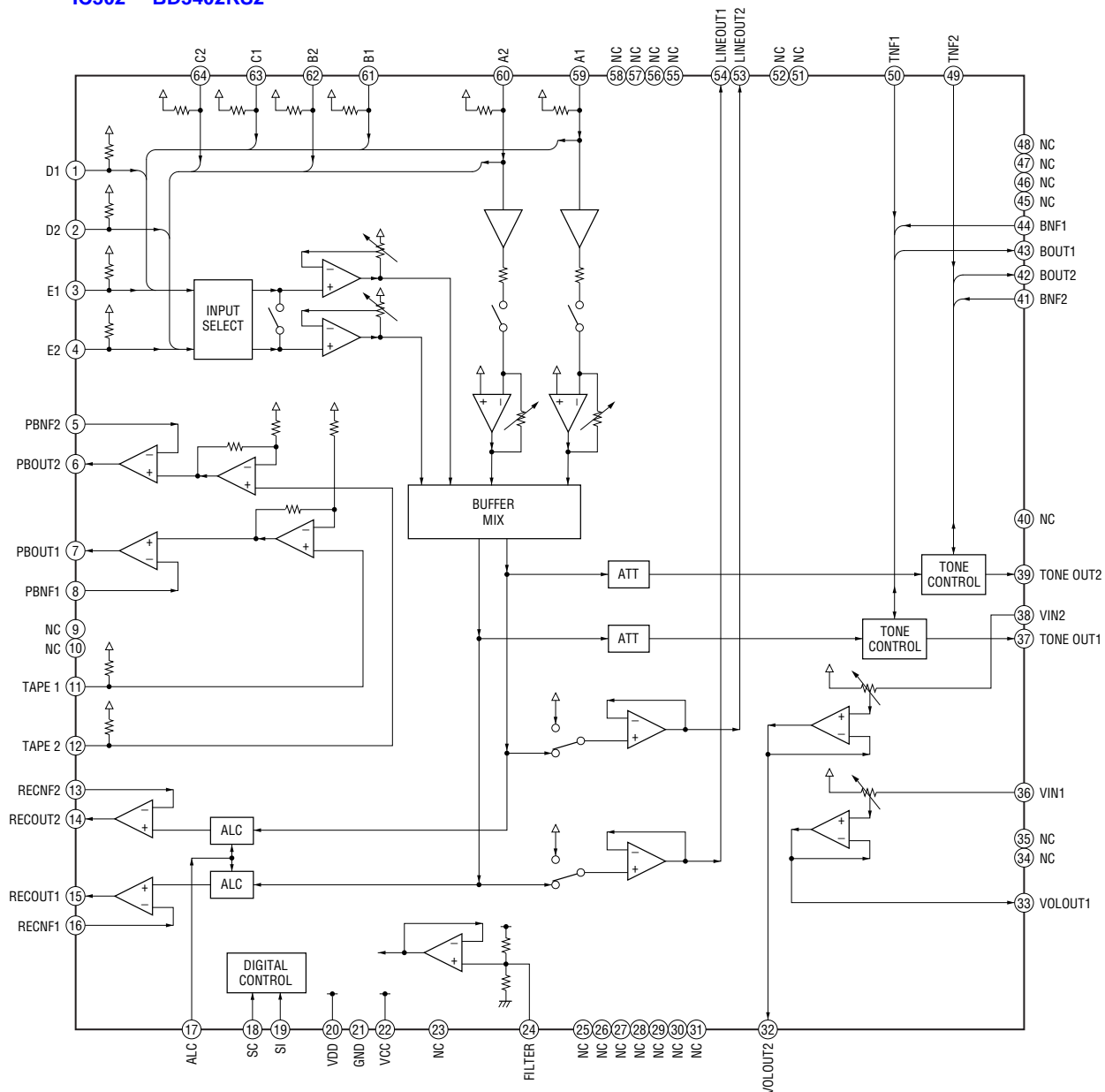
– DRIVER BOARD –

IC701 BA6956AN



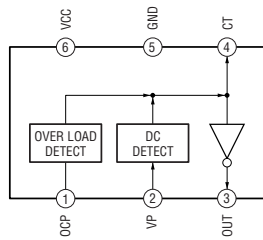
– MAIN BOARD –

IC302 BD3402KS2



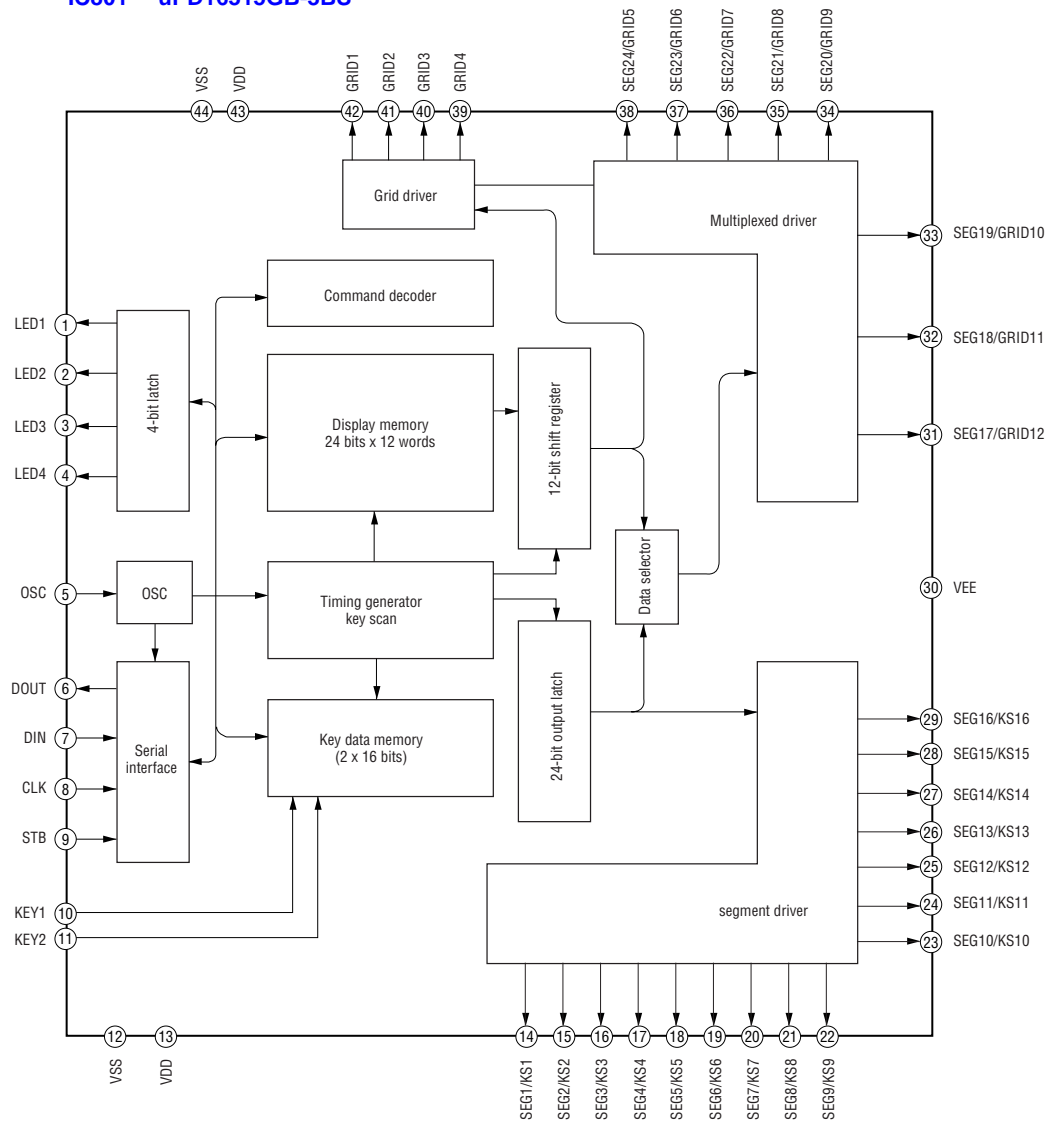
– AMP BOARD –

IC602 RT8H015C-T112-1



– PANEL (1) BOARD –

IC801 uPD16315GB-3BS



• IC Pin Function Description

MAIN BOARD IC306 M3062CMEN-A02FPU0 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	CD DISCSSENS 2	I	DISC 4, 5 and DISC (+1) detect signal input
2	CD DISCSSENS 1	I	DISC 1 to 3 detect signal input
3	STBY LED	O	LED drive signal output terminal (power)
4	SIRCS IN/WAKE	I	SIRCS signal input terminal
5, 6	VOL A, VOL B	I	Jog dial pulse input terminal (volume)
7	FLSTB	O	Serial data read strobe signal output to the FL/LED driver
8	BYTE	I	External data bus width select signal input terminal (fixed "L")
9	CNVSS	—	Ground terminal
10	XCIN	I	Sub system clock input terminal (32.768 kHz)
11	XCOU	O	Sub system clock output terminal (32.768 kHz)
12	RESET	I	System reset signal input terminal "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
13	XOUT	O	Main system clock output terminal (16 MHz)
14	VSS	—	Ground terminal
15	XIN	I	Main system clock input terminal (16 MHz)
16	VCC	—	Power supply terminal (+3.3V)
17	NMI	I	Non-maskable interrupt signal input terminal Not used
18	RDS-CLK	I	RDS serial data transfer clock signal input terminal (AEP only)
19	CD SCOR	I	Subcode Q data request signal input terminal
20	AC-CUT	I	Power down detection signal input terminal "L": power down
21	FL CLK	O	Serial data transfer clock signal output to the FL/LED driver
22	CD XRST	O	System reset signal output to the CD servo block
23	CD XLT	O	Latch pulse signal output to the CD servo block
24	CD SENS	I	Internal status (SENSE) input from the CD DSP
25	CD MILP	O	Serial data latch pulse output to the MP3 decoder
26	CD MICS	O	Chip select signal output to the MP3 decoder
27	CD MP3REQ	I	Data transfer request signal input from the MP3 decoder
28	CD MP3STB	O	Standby signal output to the MP3 decoder
29	IICCLK	I/O	IIC data transfer clock signal input and output Not used
30	IICDATA	I/O	IIC two-way data bus Not used
31	NC	O	Not used
32	CD MIACK	I	Acknowledge signal input from the MP3 decoder
33	CD MP3RST	O	Reset signal output to the MP3 decoder
34	CD CLK	O	Serial data transfer clock signal output to the CD DSP
35	CD MIDIO	O	Serial data output to the MP3 decoder
36	CD MIDIN	I	Serial data input from the MP3 decoder
37	CD MICK	O	Serial data transfer clock signal output to the MP3 decoder
38	CD DATA	O	Serial data output to the CD DSP
39	CD AMUTE	O	CD muting on/off control signal output terminal
40	ELV E3/TRE A	I	ELV pulse input from the rotary encoder
41	ELV E2/TRE B	I	ELV dial pulse input from the rotary encoder
42	ELV E1/BASS A	I	ELV dial pulse input from the rotary encoder
43	ELV E0/BASS B	I	ELV dial pulse input from the rotary encoder
44	SW4 (8CM)	I	CD disc size detection (8cm) signal input terminal
45	SW3 (PUSH-CLOSE)	I	CD push-close switch input terminal
46	SW2-1 (CLOSE)	I	CD close switch input terminal

Pin No.	Pin Name	I/O	Description
47	SW2-2 (LOD POSITION)	I	CD loading position switch input terminal
48	SW1 (OPEN)	I	CD open switch input terminal
49	ELV NEG	O	Elevator up/down motor control signal output
50	ELV POS	O	Elevator up/down motor control signal output
51	LOD NEG	O	Loading motor control signal output
52	LOD POS	O	Loading motor control signal output
53	SW-POWER	O	Sub power block on/off control signal output terminal
54	—	O	Not used
55	XTCN	O	Oscillator control signal output to the CD DSP
56	—	O	Not used
57	CD BD POWER	O	Power on/off control signal output for CD block
58	RDS DATA	I	RDS serial data input terminal (AEP only)
59	CDM80 LOAD-OUT	O	Loading motor control signal output (loading out direction)
60	CDM80 LOAD-IN	O	Loading motor control signal output (loading in direction)
61	(TRIGGER SW) CDM80 SW3	I	12cm DISC switch “L”: switch on
62	VCC	—	Power supply terminal (+3.3V)
63	(OUT SW) CDM80 SW1	I	Out switch input terminal “L”: switch on
64	VSS	—	Ground terminal
65	(CHUCK SW) CDM80 SW2	I	Chuck switch input terminal “L”: switch on
66	FAN DRIVE	O	Fan motor drive signal output terminal Not used
67	ST MUTE	O	Tuner muting on/off control signal output terminal
68	ST STEREO	I	FM stereo detection signal input from the tuner unit “L”: stereo
69	ST TUNED	I	Tuning detection signal input from the tuner unit “L”: tuned
70	ST CE	O	Chip enable signal output to the FM/AM tuner unit
71	ST DATA OUT	O	Serial data output to the FM/AM tuner unit
72	ST DATA IN	I	Serial data input from the FM/AM tuner unit
73	ST CLK	O	Serial data transfer clock signal output to the FM/AM tuner unit
74	KEY WAKE UP	I	System wake up signal input terminal in the standby status
75	TC PLAY	I	Tape play switch input terminal
76	TC TRG	O	Plunger driver signal output terminal “L”: plunger on
77	TC CAPM CONT	O	Capstan/reel motor drive signal output terminal “L”: forward, “H”: reverse
78	BIAS ON	O	REC bias on/off control signal output terminal “H”: REC bias on
79	TC R/P	O	PB/REC switching control signal output terminal “L”: PB
80	RY ON	O	Relay drive signal output for main power supply “H”: power on
81	WATPOW	O	Not used
82	TC DOOR SW	I	Tape deck lid open/close detection signal input terminal
83	LINE MUTE	O	Line muting on/off control signal output terminal “H”: muting on
84	PROTECT	I	Protect signal input from the amplifier circuit “L”: protect
85	SP RELAY	O	Speaker on/off relay drive signal output terminal “L”: speaker off
86	AMP POWER	O	AMP muting on/off control signal output terminal “H”: AMP on
87	EQ DATA	O	Serial data output to the electrical volume
88	EQ CLK	O	Serial data transfer clock signal output to the electrical volume
89 to 91	KEY3 to KEY1	I	Front panel key or headphone detection input terminal (A/D input)

Pin No.	Pin Name	I/O	Description
92	MODEL	I	Setting terminal for the model type
93	DEST	I	Setting terminal for the destination
94	TC END SW	I	End switch detection from tape deck block
95	TC HALF/REC SW	I	Half/REC switch detection from tape deck block
96	AVSS	—	Ground terminal
97	NC	O	Not used
98	VREF	I	Reference voltage (+3.3V) input terminal
99	AVCC	—	Power supply terminal (+3.3V)
100	FL DATA	O	Serial data output to the FL/LED driver

SECTION 8
EXPLODED VIEWS

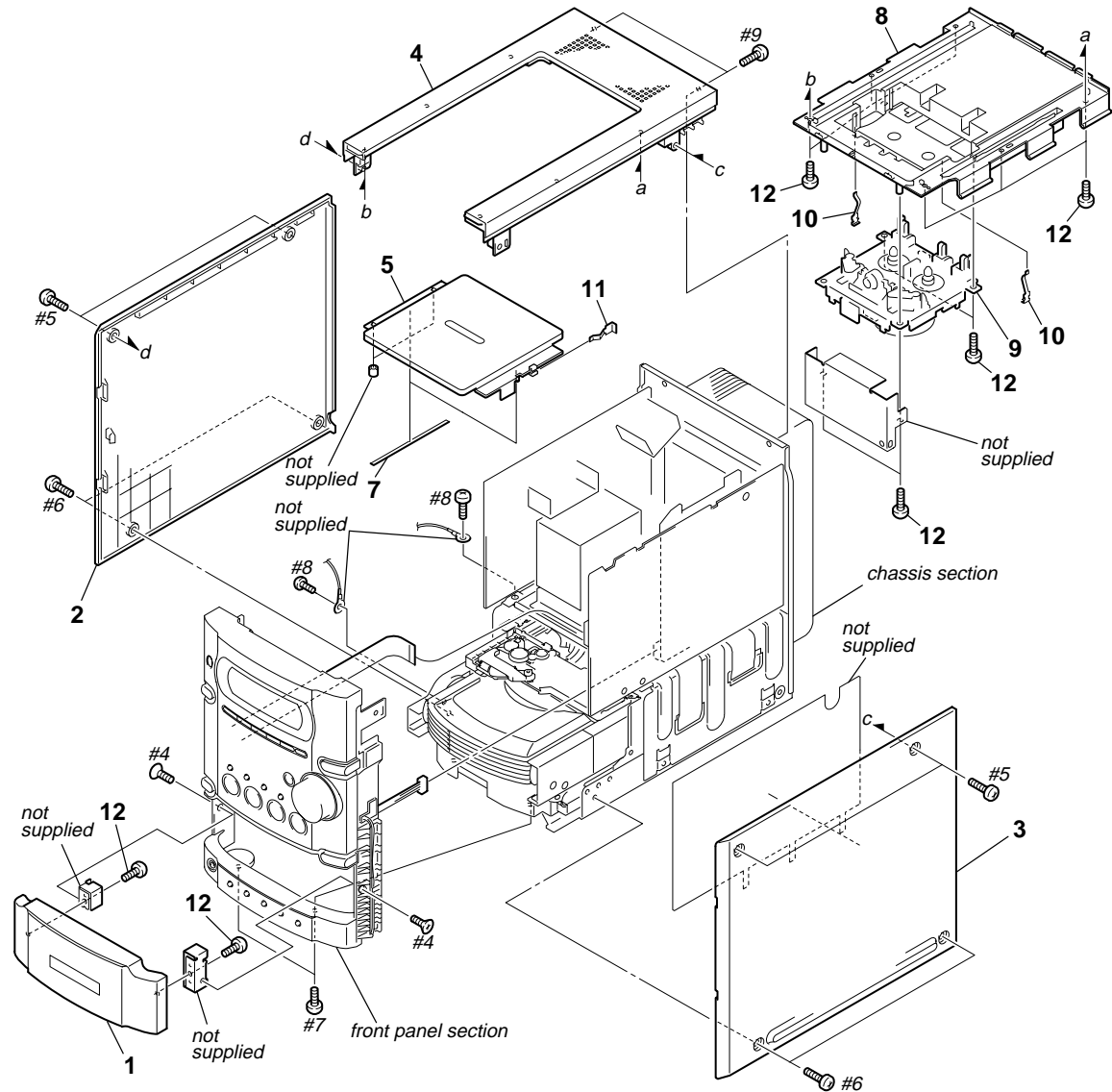
NOTE:

- XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
 - AR : Argentine model
 - AUS : Australian model
 - CND : Canadian model
 - EA : Saudi Arabia model
 - KR : Korea model

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

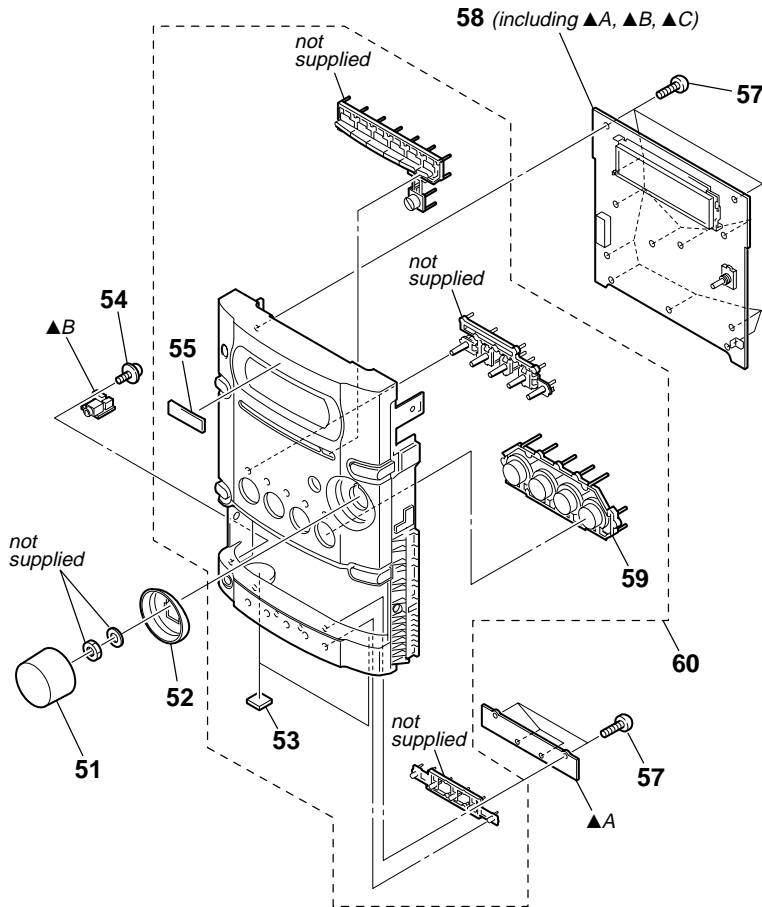
8-1. SIDE PLATE, TOP PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-253-148-01	PANEL, CD (US, CND)		8	4-253-112-11	PANEL, CASSETTE (E, EA, AR, AUS, KR)	
1	4-253-148-11	PANEL, CD (E, EA, AR, AUS, KR)		9	1-796-352-51	DECK, MECHANICAL (CMAL5Z225A)	
2	4-253-151-01	PLATE (L), SIDE (US, CND)		10	4-253-116-01	SPRING (CASSETTE), LEAF	
2	4-253-151-11	PLATE (L), SIDE (E, EA, AR, AUS, KR)		11	4-253-117-01	SPRING (SLIDE), LEAF	
3	4-253-152-01	PLATE (R), SIDE (US, CND)		12	4-951-620-01	SCREW (2.6X8), +BVTP	
3	4-253-152-11	PLATE (R), SIDE (E, EA, AR, AUS, KR)		#4	7-685-246-19	SCREW +KTP 3X8 TYPE2 NON-SLIT	
4	4-253-114-01	PANEL, TOP (US, CND)		#5	7-685-647-11	SCREW +BVTP 3X10	
4	4-253-114-11	PANEL, TOP (E, EA, AR, AUS, KR)		#6	7-685-645-14	SCREW +BVTP 3X6	
5	X-2055-969-1	DOOR ASSY, CASSETTE		#7	7-685-871-01	SCREW +BVTT 3X6 (S)	
7	2-025-481-01	SLIDE PAD		#8	7-685-646-11	SCREW +BVTP 3X6	
8	4-253-112-01	PANEL, CASSETTE (US, CND)		#9	7-685-646-14	SCREW +BVTP 3X8	

8-2. FRONT PANEL SECTION

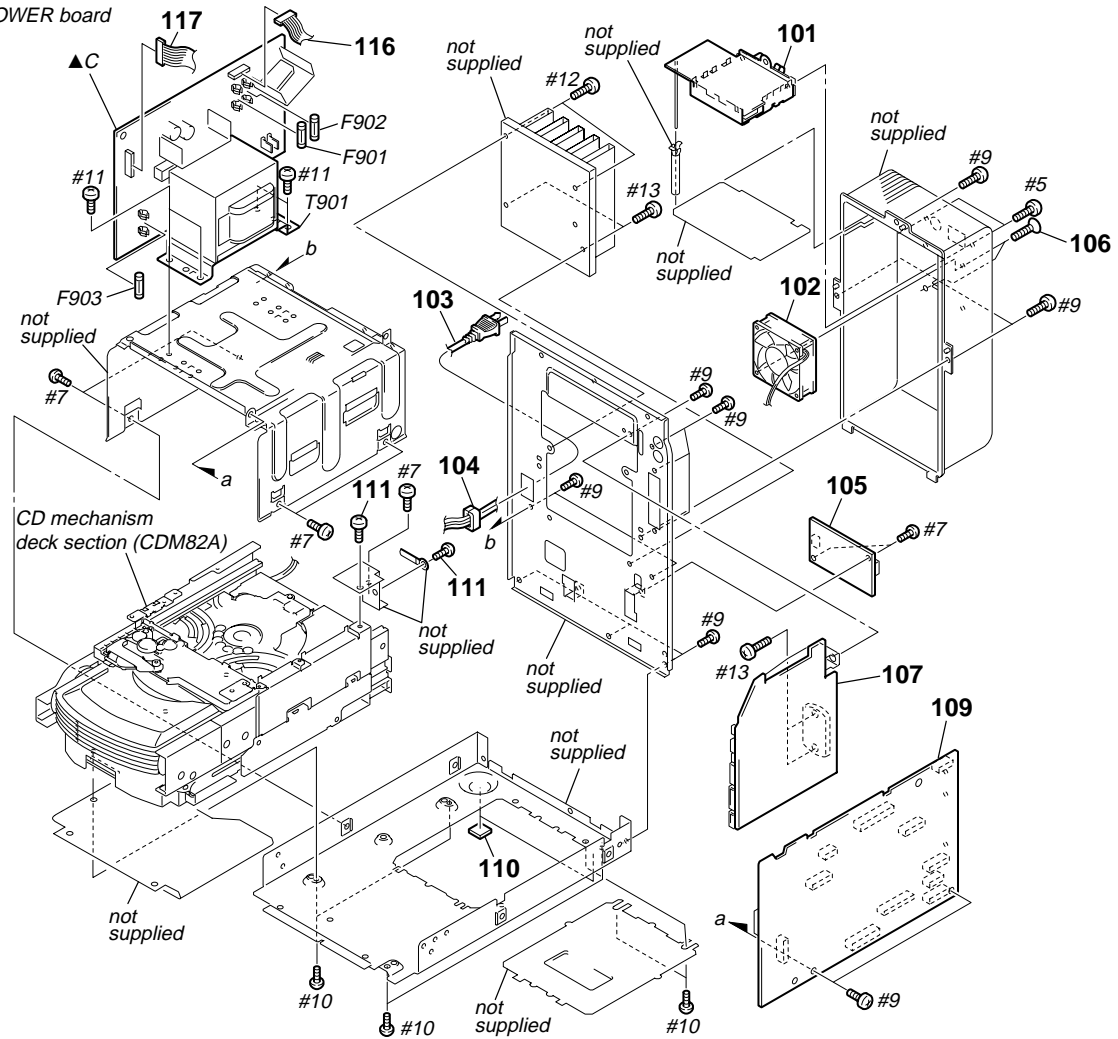
▲A : PANEL (2) board
▲B : HEADPHONE board



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-253-142-01	KNOB (VOLUME)		58	A-1062-231-A	PANEL (1) BOARD, COMPLETE (AUS) (including PANEL (2), HEADPHONE and POWER board)	
52	4-253-141-01	RING (VOLUME)		58	A-1062-233-A	PANEL (1) BOARD, COMPLETE (AR) (including PANEL (2), HEADPHONE and POWER board)	
53	4-247-752-01	RUBBER, FOOT		58	A-1076-938-A	PANEL (1) BOARD, COMPLETE (KR) (including PANEL (2), HEADPHONE and POWER board)	
54	3-921-725-01	SCREW +PWH 2.6X10		58	A-4751-221-A	PANEL (1) BOARD, COMPLETE (US, CND) (including PANEL (2), HEADPHONE and POWER board)	
55	3-038-018-01	EMBLEM, SONY		59	X-4956-241-1	BUTTON ASSY, FUNCTION	
57	4-951-620-01	SCREW (2.6X8), +BVTP		60	X-2021-173-1	PANEL ASSY, FRONT (E, EA, AR, AUS, KR)	
58	A-1062-192-A	PANEL (1) BOARD, COMPLETE (EA) (including PANEL (2), HEADPHONE and POWER board)		60	X-4956-252-1	PANEL ASSY, FRONT (US, CND)	
58	A-1062-226-A	PANEL (1) BOARD, COMPLETE (E) (including PANEL (2), HEADPHONE and POWER board)					

8-3. CHASSIS SECTION

▲C : POWER board

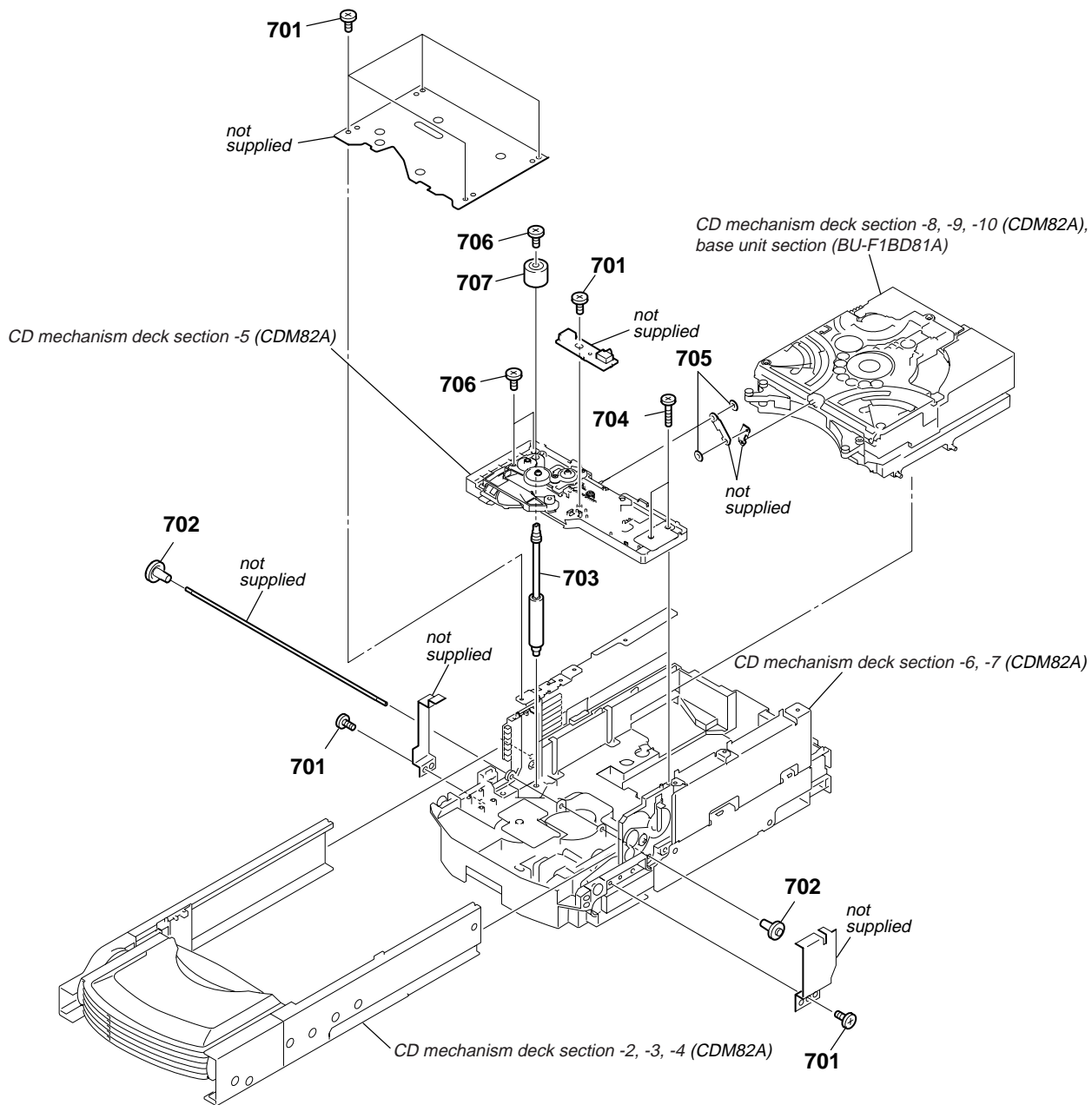


Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	1-693-625-11	TUNER (FM/AM) (US, CND)		116	1-564-510-11	PLUG, CONNECTOR 7P	
101	1-693-628-11	TUNER (FM/AM) (E, EA, AR, AUS)		117	1-564-515-11	PLUG, CONNECTOR 12P	
101	1-693-629-11	TUNER (FM/AM) (KR)		▲ F901	1-533-453-12	FUSE, GLASS TUBE (DIA. 5) (T5AL/125V)	(US, CND)
102	1-787-103-11	FAN, DC		▲ F901	1-533-472-12	FUSE, GLASS TUBE (DIA. 5) (T5AL/250V)	(E, EA, AR, AUS, KR)
▲ 103	1-696-570-21	CORD, POWER (EA)		▲ F902	1-533-453-12	FUSE, GLASS TUBE (DIA. 5) (T5AL/125V)	(US, CND)
▲ 103	1-769-079-41	CORD, POWER (KR)		▲ F902	1-533-472-12	FUSE, GLASS TUBE (DIA. 5) (T5AL/250V)	(E, EA, AR, AUS, KR)
▲ 103	1-775-790-12	CORD, POWER (AUS)		▲ F903	1-533-467-12	FUSE, GLASS TUBE (DIA. 5) (T1.6AL/250V)	(E, EA)
▲ 103	1-783-531-22	CORD, POWER (US, CND)		▲ T901	1-443-330-11	TRANSFORMER, POWER (US, CND)	
▲ 103	1-783-941-22	CORD, POWER (AR)		▲ T901	1-443-333-11	TRANSFORMER, POWER (E, AR, AUS, KR)	
▲ 103	1-827-226-11	CORD, POWER (E)		▲ T901	1-443-418-11	TRANSFORMER, POWER (EA)	
104	3-703-244-00	BUSHING (2104), CORD (EXCEPT E)		#5	7-685-647-11	SCREW +BVTP 3X10	
* 104	3-703-571-12	BUSHING (S) (4516), CORD (E)		#7	7-685-871-01	SCREW +BVTT 3X6 (S)	
105	1-468-738-11	REGULATOR, SWITCHING		#9	7-685-646-14	SCREW +BVTP 3X8	
106	4-671-016-01	SCREW (FAN)		#10	7-685-645-01	SCREW +BVTT 3X6	
107	A-4751-219-A	AMP BOARD, COMPLETE		#11	7-685-880-01	SCREW +BVTT 4X6	
109	A-1062-202-A	MAIN BOARD, COMPLETE (EA)		#12	7-685-648-01	SCREW +BVTP 3X12	
109	A-1062-229-A	MAIN BOARD, COMPLETE (E, AUS)		#13	7-685-650-71	SCREW +BVTP 3X16 TYPE3 IT-3	
109	A-1068-563-A	MAIN BOARD, COMPLETE (AR)					
109	A-1076-937-A	MAIN BOARD, COMPLETE (KR)					
109	A-4751-220-A	MAIN BOARD, COMPLETE (US, CND)					
110	2-050-617-01	FOOT					
111	4-951-620-01	SCREW (2.6X8), +BVTP					

The components identified by mark ▲ or dotted line with mark ▲ are critical for safety. Replace only with part number specified.

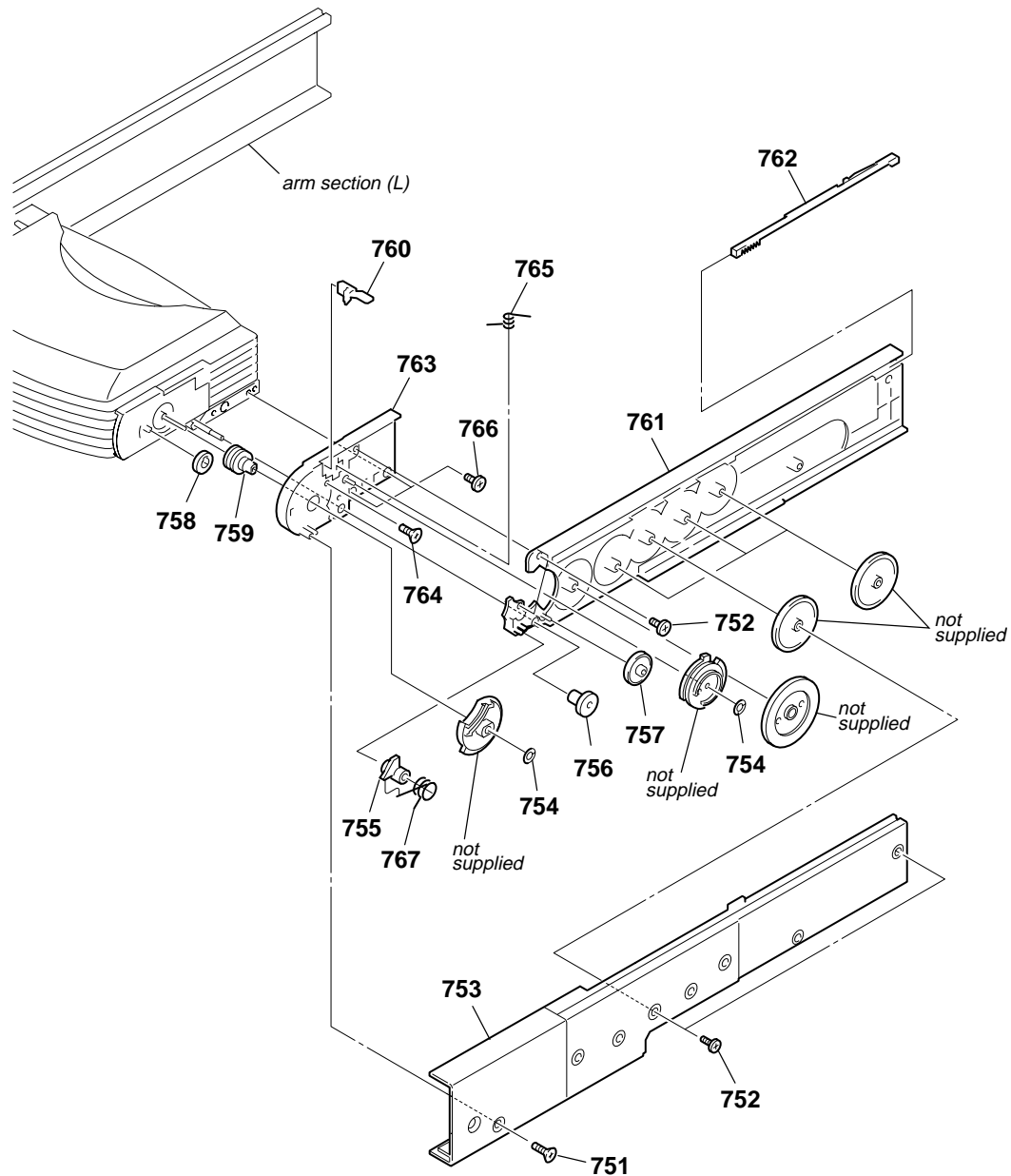
Les composants identifiés par une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

8-4. CD MECHANISM DECK SECTION-1 (CDM82A)



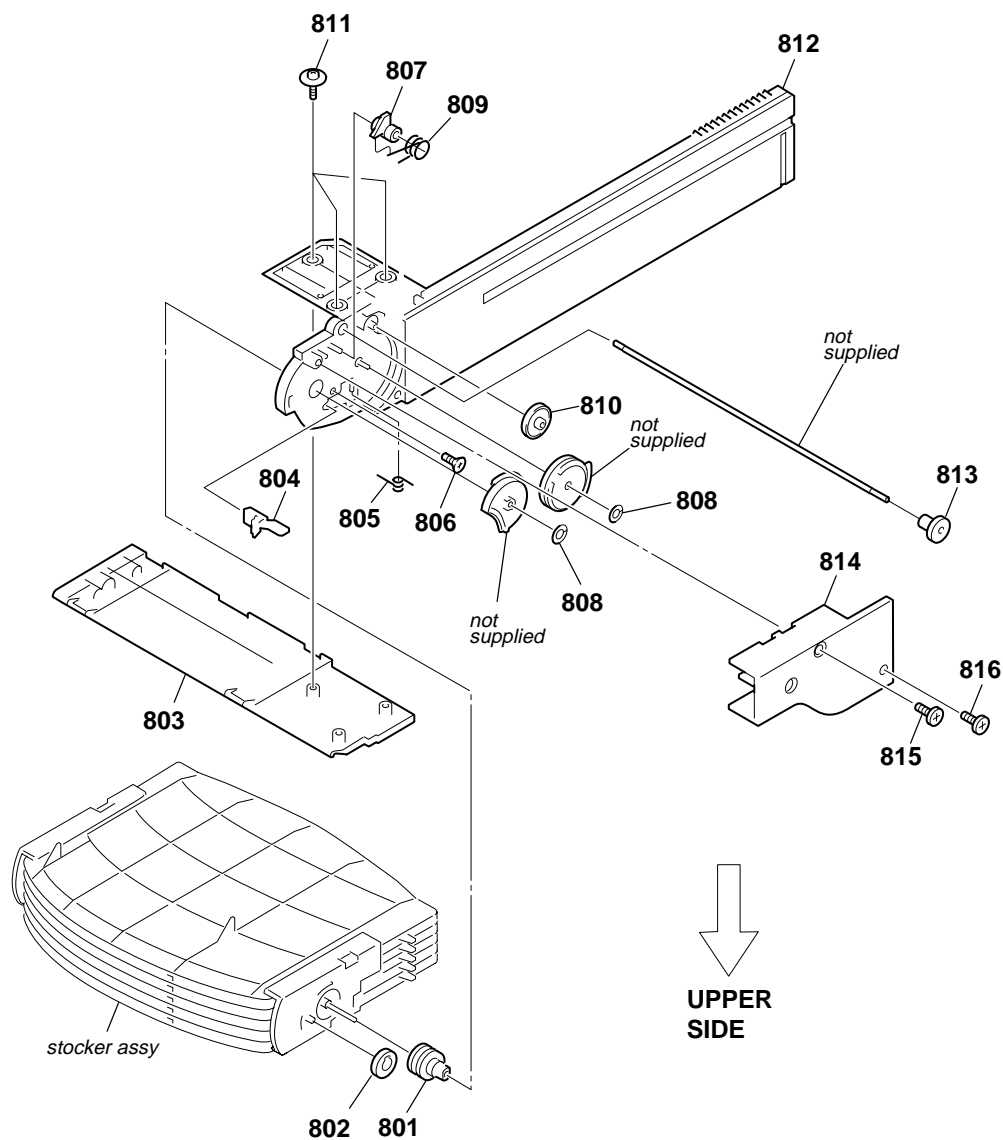
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
701	4-218-253-31	SCREW (M2.6), +BTTP		705	4-255-299-01	WASHER (3.5)	
702	4-252-881-01	GEAR (JOINT OP)		706	4-908-618-42	SCREW (+BTP) (2X8)	
703	4-252-918-01	SHAFT (CONNECTION)		707	4-252-853-01	GEAR (CONNECTION TP)	
704	4-253-811-01	+PTPWH 2X14					

8-5. CD MECHANISM DECK SECTION-2 (CDM82A)



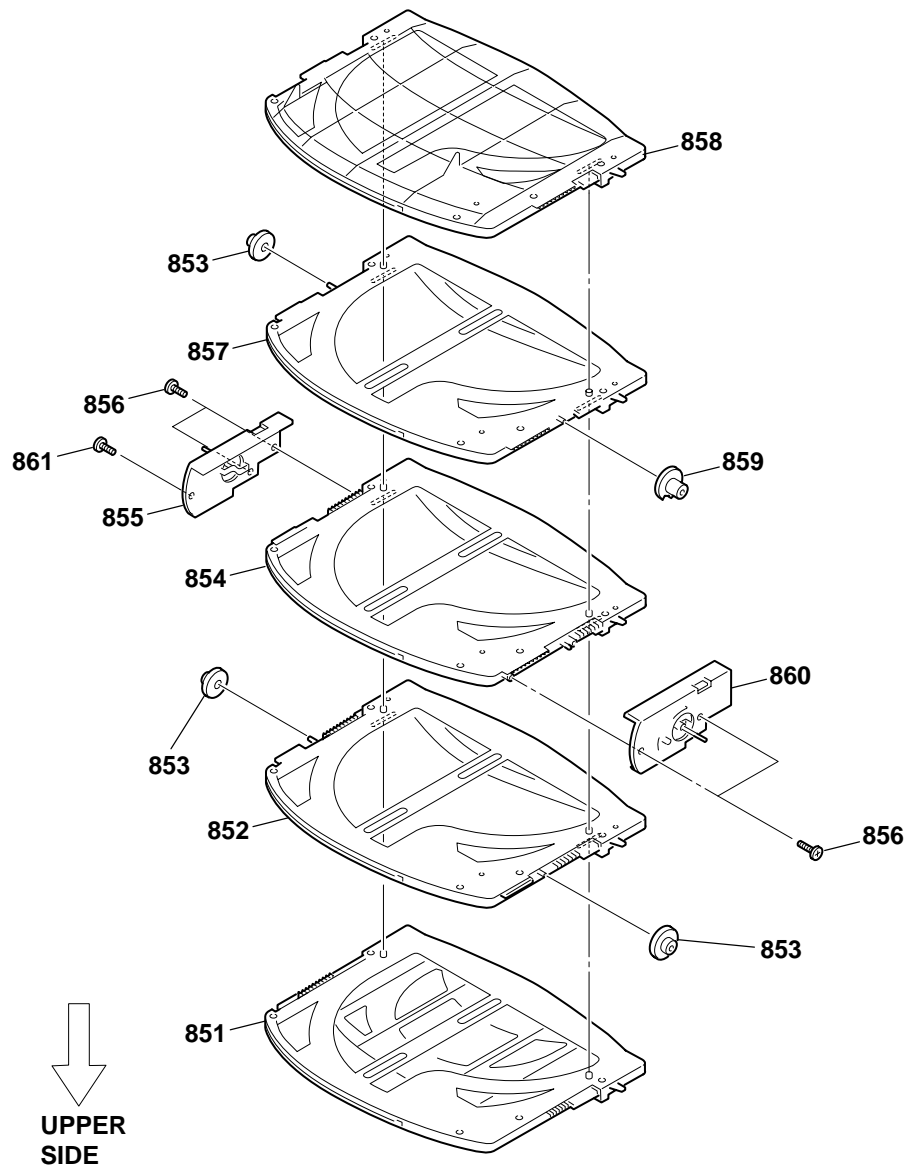
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
751	2-641-430-31	SCREW (2.6), (+) K TAPPING		760	4-252-816-01	LEVER (LOCK R)	
752	4-253-344-01	SCREW (2)		761	4-252-810-01	ARM (R)	
753	4-252-827-01	COVER (R)		762	A-1060-629-A	SLIDER ASSY, SUB	
754	2-021-250-01	WASHER (5.5)		763	4-252-808-01	BASE (A), STOCK	
755	4-255-344-01	LEVER (SUB GEAR BACK R)		764	4-253-564-01	SCREW (1.7)	
756	4-252-806-01	GEAR (STOCK JOINT)		765	4-252-818-01	SPRING (STOCK LOCK R)	
757	4-252-819-01	GEAR (JOINT JUST FRONT), SUB		766	4-218-253-62	SCREW (M2.6), +BTTP	
758	4-252-804-01	GEAR (STOCK PLANET)		767	2-021-898-01	SPR-T (SUB GEAR BACK R)	
759	4-252-802-01	GEAR (STOCK SUN)					

8-6. CD MECHANISM DECK SECTION-3
(CDM82A)



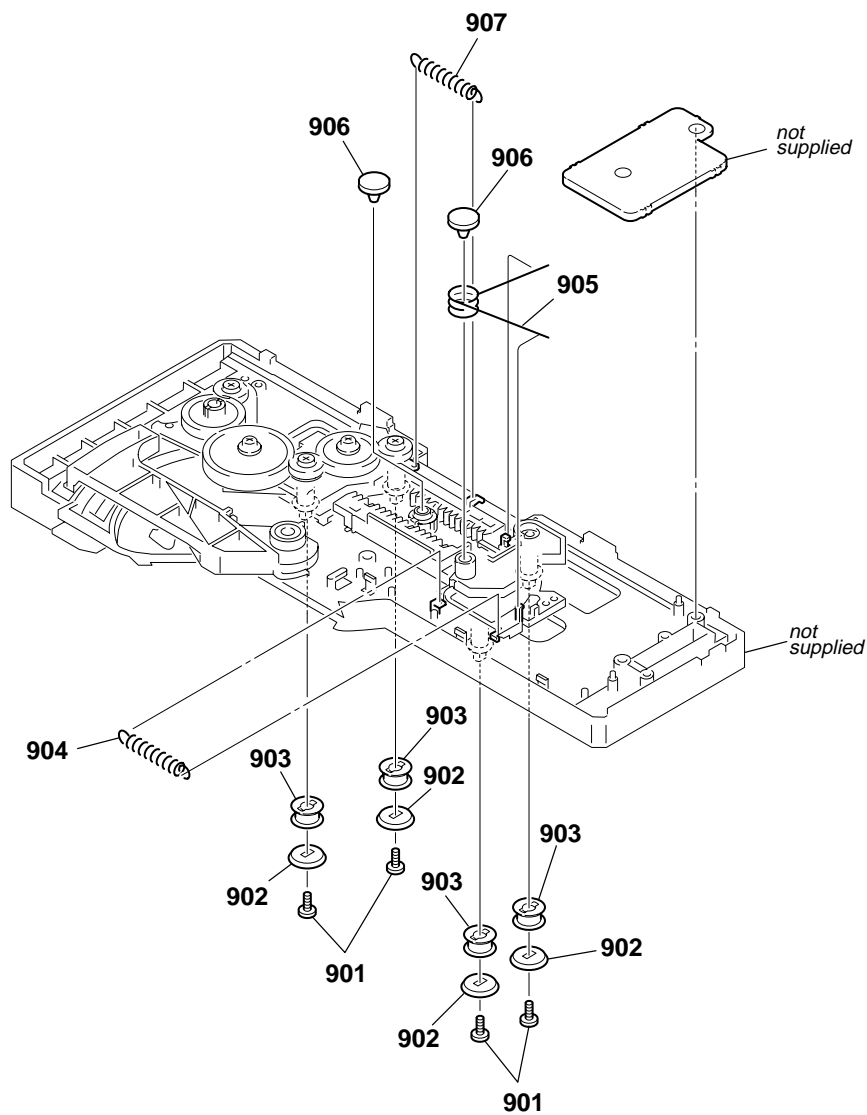
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
801	4-252-802-01	GEAR (STOCK SUN)		809	4-255-340-01	SPR-T (SUB GEAR BACK L)	
802	4-252-804-01	GEAR (STOCK PLANET)		810	4-252-819-01	GEAR (JOINT JUST FRONT), SUB	
803	4-253-802-01	BASE (B), STOCK		811	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
804	4-252-815-01	LEVER (LOCK L)		812	4-252-809-01	ARM (L)	
805	4-252-817-01	SPRING (STOCK LOCK L)		813	4-252-806-01	GEAR (STOCK JOINT)	
806	4-253-564-01	SCREW (1.7)		814	4-252-826-01	COVER (L)	
807	4-255-345-01	LEVER (SUB GEAR BACK L)		815	2-641-430-31	SCREW (2.6), (+) K TAPPING	
808	2-021-250-01	WASHER (5.5)		816	4-253-344-01	SCREW (2)	

8-7. CD MECHANISM DECK SECTION-4 (CDM82A)



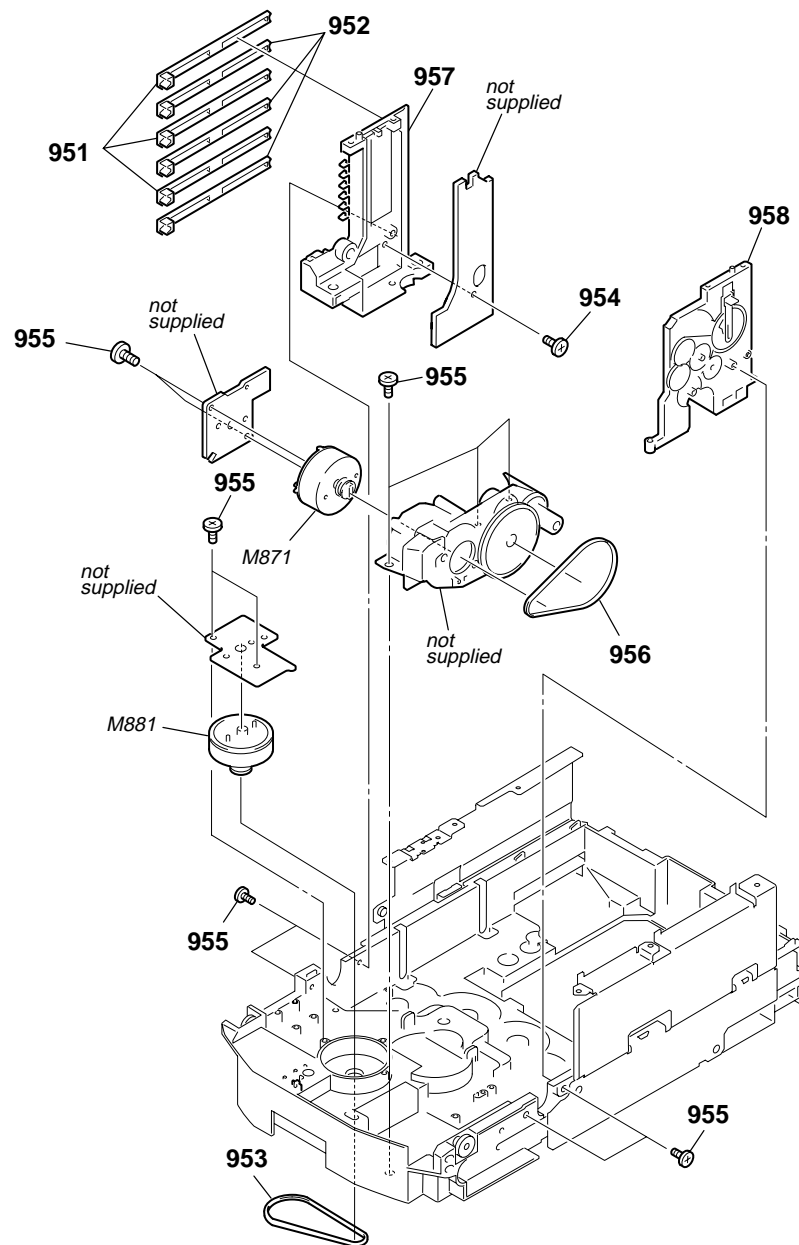
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
851	A-1060-624-A	STOCKER (5) ASSY		857	A-1060-627-A	STOCKER (2) ASSY	
852	A-1060-625-A	STOCKER (4) ASSY		858	A-1060-628-A	STOCKER (1) ASSY	
853	4-252-800-01	GEAR (STOCK LOT SHORT)		859	4-252-801-01	GEAR (STOCK LOT LONG)	
854	A-1060-626-A	STOCKER (3) ASSY		860	4-252-799-01	BOX (R), STOCK	
855	4-252-798-01	BOX (L), STOCK		861	2-149-046-01	SCREW (1.7 BOX), STEP TAPPING	
856	4-253-344-01	SCREW (2)					

8-8. CD MECHANISM DECK SECTION-5
(CDM82A)



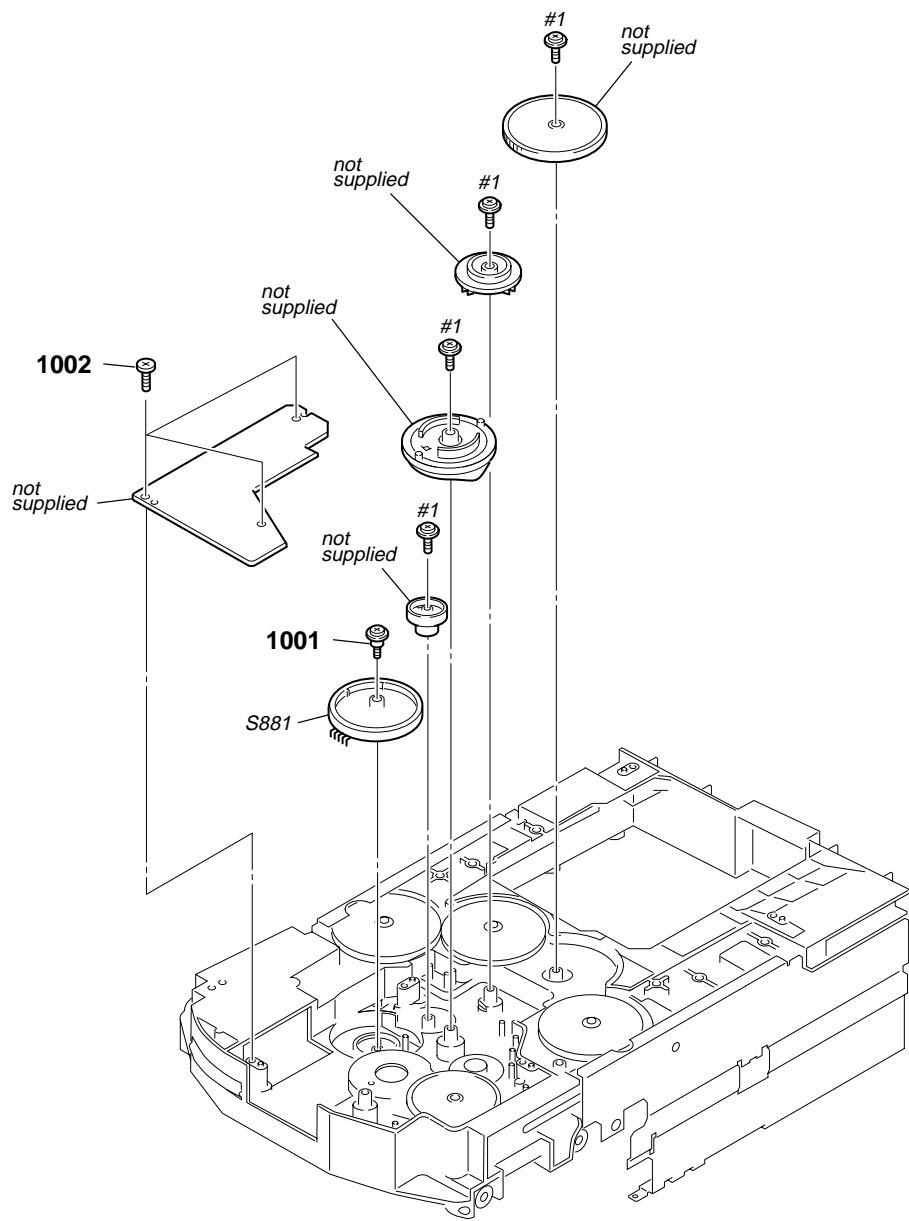
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
901	4-253-344-01	SCREW (2)		905	4-255-341-01	SPR-T (8cm SLIDER R)	
902	4-252-904-01	PARASOL		906	4-252-860-01	BUSHING	
903	4-252-908-01	ROLLER, RUBBER		907	4-255-342-01	SPR-E (8cm SLIDER L)	
904	4-255-343-01	SPR-E (ROLLER SLIDER UPPER)					

8-9. CD MECHANISM DECK SECTION-6
(CDM82A)



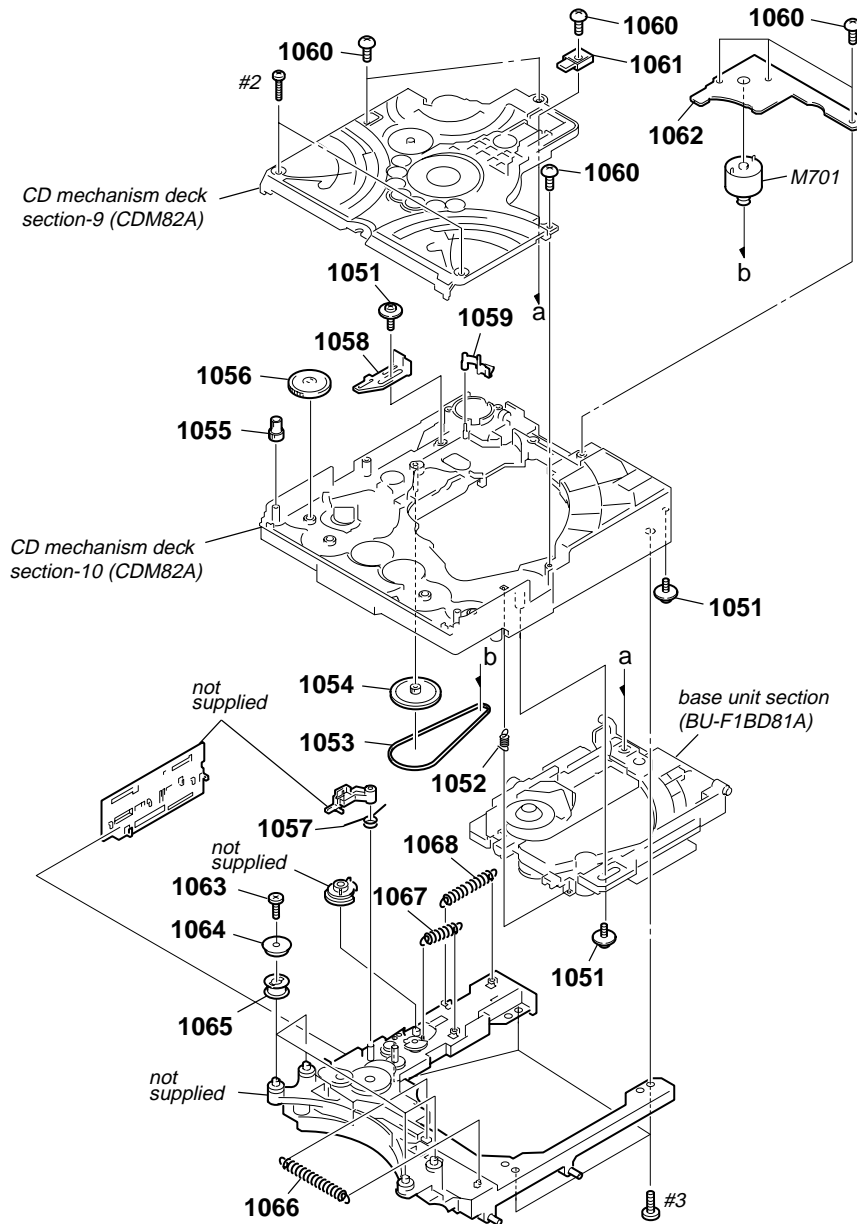
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
951	4-252-829-01	SLIDER (PUSH POPUP1)		956	4-252-866-01	BELT (MOT OP)	
952	4-252-830-01	SLIDER (PUSH POPUP2)		957	4-252-828-04	CHASSIS (L), SUB	
953	4-252-883-01	BELT (MOT UD)		958	4-252-832-04	CHASSIS (R), SUB	
954	4-218-253-62	SCREW (M2.6), +BTTP		M881	A-1060-630-A	MOTOR ASSY (ELV)	
955	4-218-253-31	SCREW (M2.6), +BTTP		M871	A-1060-630-A	MOTOR ASSY (LOD)	

8-10. CD MECHANISM DECK SECTION-7
(CDM82A)



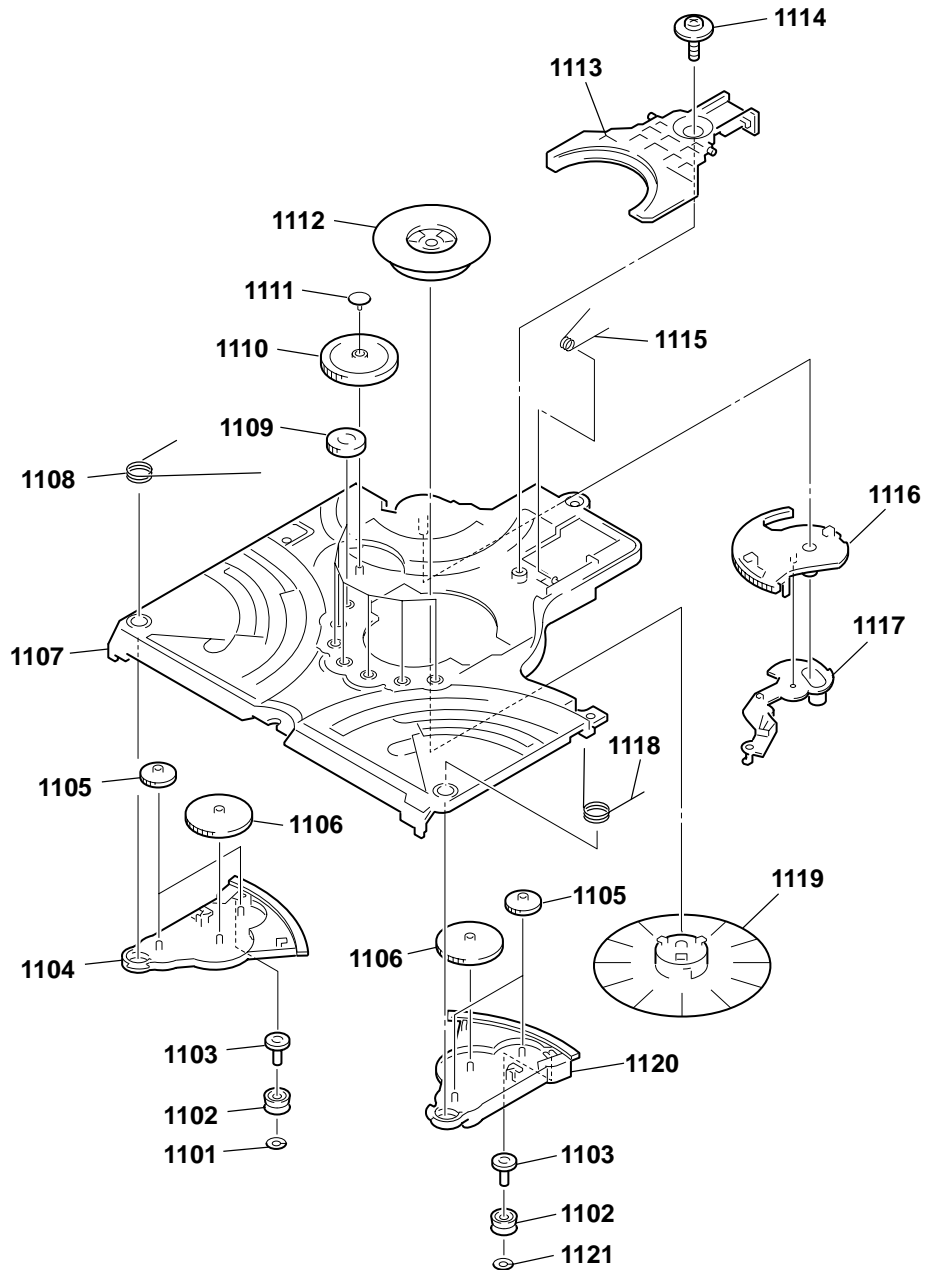
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
1001	4-239-618-02	SCREW (+PWH, 2X6), STEP TAPPING		S881	1-478-706-11	ENCODER, ROTARY	
1002	4-218-253-62	SCREW (M2.6), +BTTP		#1	7-685-902-21	SCREW +PTPWH 2.6X8 (TYPE2)	

8-11. CD MECHANISM DECK SECTION-8 (CDM82A)



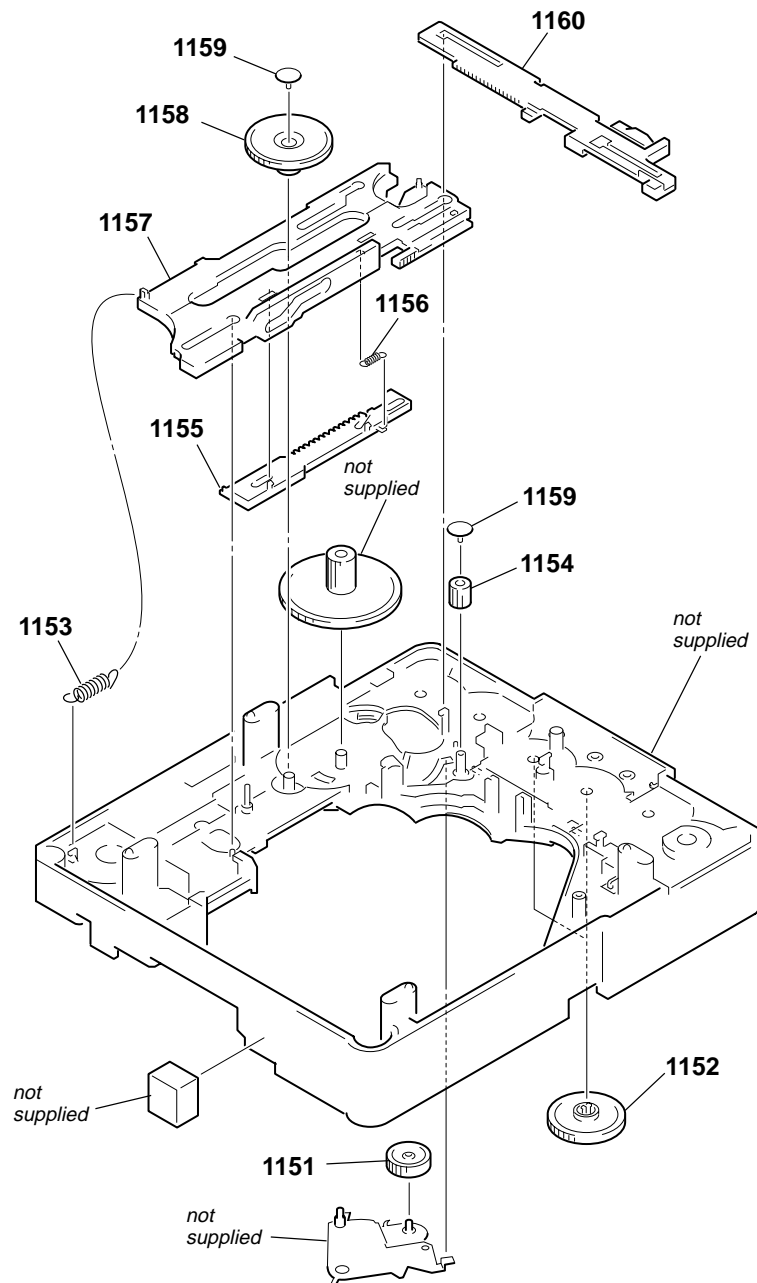
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1051	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING		1062	1-688-337-11	DRIVER BOARD	
1052	4-249-825-01	SPR-E, HOLDER, DOWN, 213		1063	4-253-344-01	SCREW (2)	
1053	4-245-653-01	BELT (MOT)		1064	4-252-904-01	PARASOL	
1054	4-245-662-02	PULLEY (GEAR)		1065	4-252-908-01	ROLLER, RUBBER	
1055	4-245-646-01	GEAR (IDL-F)		1066	4-252-903-01	SPRING (LOWER), TENSION	
1056	4-245-644-01	GEAR (IDL-D)		1067	4-252-898-01	SPRING, EXTENSION	
1057	4-252-895-01	SPR-T (LOCK)		1068	4-252-899-01	SPRING, EXTENSION	
1058	4-246-203-01	LEVER (RELEASE)		M701	X-2021-530-1	MOTOR (PULLEY) ASSY (LOD)	
1059	4-245-630-01	LEVER (SW)		#2	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT	
1060	4-951-620-01	SCREW (2.6X8), +BVTP		#3	7-685-648-79	SCREW +P 3X12 TYPE2 NON-SLIT	
1061	4-245-639-01	LEVER (CL UP2)					

8-12. CD MECHANISM DECK SECTION-9 (CDM82A)



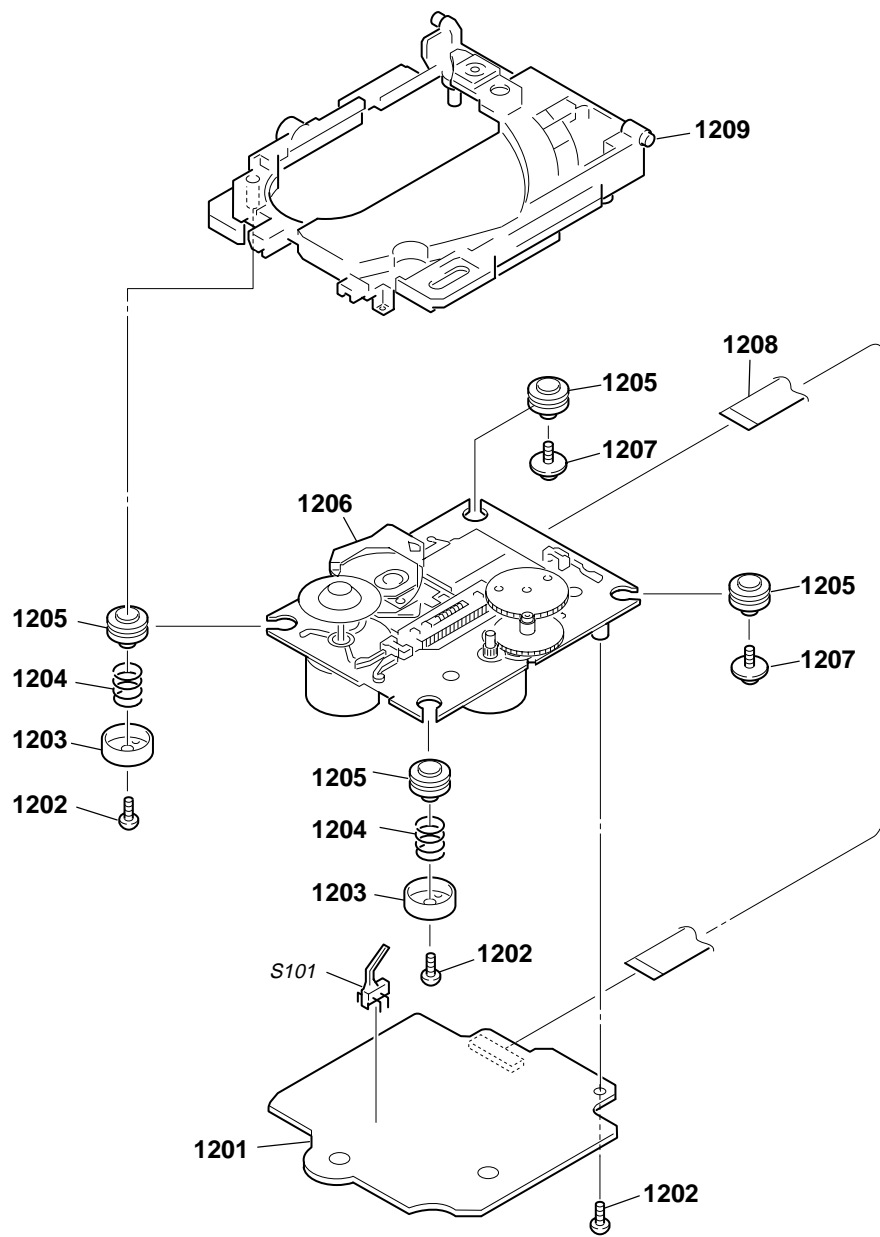
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1101	4-245-627-01	WASHER (6-2.7-0.4)		1112	1-452-925-21	MAGNET ASSY	
1102	4-245-637-01	ROLLER, RUBBER		1113	4-245-638-01	LEVER (CL UP1)	
1103	4-245-649-01	GEAR (IDL-I)		1114	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING	
1104	4-245-657-01	LEVER (LOADING-R)		1115	4-245-636-01	SPR-T CL DOWN	
1105	4-245-647-01	GEAR (IDL-G)		1116	4-245-658-01	LEVER (DISC STOP)	
1106	4-245-648-01	GEAR (IDL-H)		1117	4-245-659-01	LEVER (DISC SENSOR)	
1107	4-245-655-01	CHASSIS (TOP)		1118	4-245-632-01	SPR-T (LOADING-L)	
1108	4-245-631-01	SPT-T (LOADING-R)		1119	X-2021-532-1	CLAMPER 213 ASSY	
1109	4-245-650-01	GEAR (IDL-J)		1120	4-245-656-01	LEVER (LOADING-L)	
1110	4-245-651-01	GEAR (IDL-L)		1121	4-253-747-01	STOPPER, IDL I	
1111	4-245-640-01	GEAR (CAP)					

8-13. CD MECHANISM DECK SECTION-10 (CDM82A)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1151	4-245-643-01	GEAR (IDL-C)		1156	4-245-633-01	SPR-E DIR BACK	
1152	4-245-644-01	GEAR (IDL-D)		1157	4-245-660-01	LEVER (DIR)	
1153	4-248-722-01	SPR-E, DIR		1158	4-245-641-01	GEAR (IDL-A)	
1154	4-245-629-01	GEAR (BU LOCK)		1159	4-245-640-01	GEAR (CAP)	
1155	4-245-814-01	LEVER (DIR FIRST)		1160	4-245-628-01	LEVER (BU LOCK)	

8-14. BASE UNIT SECTION (BU-F1BD81A)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1201	A-4751-431-A	CD BOARD, COMPLETE		△ 1206	8-820-244-01	OPTICAL PICK-UP (KSM-215DCP)	
1202	4-951-620-01	SCREW (2.6X8), +BVTP		1207	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING	
1203	4-231-151-01	STOPPER (BU)		1208	1-827-992-11	WIRE (FLAT TYPE) (16 CORE)	
1204	4-227-045-31	SPRING (INSULATOR), COIL		1209	X-4956-146-1	HOLDER (BU215) ASSY	
1205	4-227-549-11	INSULATOR		S101	1-771-853-11	SWITCH, DETECTION (LIMIT)	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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SECTION 9 ELECTRICAL PARTS LIST

HCD-HPX9
Ver 1.1

AMP

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- CAPACITORS
uF: μ F
- COILS
uH: μ H
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u: μ , for example:
uA. . . : μ A. . . uPA. . . : μ PA. . .
uPB. . . : μ PB. . . uPC. . . : μ PC. . .
uPD. . . : μ PD. . .
- Abbreviation
AR : Argentine model
AUS : Australian model
CND : Canadian model
EA : Saudi Arabia model
KR : Korea model

When indicating parts by reference number, please include the board name.

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-4751-219-A	AMP BOARD, COMPLETE *****		D609	8-719-991-33	DIODE 1SS133T-77	
		< CAPACITOR >		D610	8-719-991-33	DIODE 1SS133T-77	
C501	1-126-964-11	ELECT 10uF 20% 50V		D611	8-719-991-33	DIODE 1SS133T-77	
C502	1-162-960-11	CERAMIC CHIP 220PF 10% 50V		D612	8-719-991-33	DIODE 1SS133T-77	
C503	1-126-967-11	ELECT 47uF 20% 50V				< IC >	
C504	1-162-962-11	CERAMIC CHIP 470PF 10% 50V		IC601	6-706-406-01	IC STK403-090-S	
C505	1-162-917-11	CERAMIC CHIP 15PF 5% 50V		IC602	6-703-610-01	IC RT8H015C-T112-1	
		< TRANSISTOR >					
C506	1-126-957-11	ELECT 0.22uF 20% 50V		Q501	8-729-141-30	TRANSISTOR 2SC3623A-LK	
C507	1-130-495-00	MYLAR 0.1uF 5% 50V		Q502	8-729-037-03	TRANSISTOR KTA1266GR-AT	
C551	1-126-964-11	ELECT 10uF 20% 50V		Q551	8-729-141-30	TRANSISTOR 2SC3623A-LK	
C552	1-162-960-11	CERAMIC CHIP 220PF 10% 50V		Q552	8-729-037-03	TRANSISTOR KTA1266GR-AT	
C553	1-126-967-11	ELECT 47uF 20% 50V		Q601	8-729-038-54	TRANSISTOR KRA102S	
C554	1-162-962-11	CERAMIC CHIP 470PF 10% 50V		Q602	8-729-038-54	TRANSISTOR KRA102S	
C555	1-162-917-11	CERAMIC CHIP 15PF 5% 50V		Q603	8-729-038-67	TRANSISTOR KRC102S	
C556	1-126-957-11	ELECT 0.22uF 20% 50V		Q604	8-729-016-42	TRANSISTOR KTC3199GR-TP	
C557	1-130-495-00	MYLAR 0.1uF 5% 50V		Q605	8-729-037-03	TRANSISTOR KTA1266GR-AT	
C603	1-162-294-31	CERAMIC 0.001uF 10% 50V		Q606	8-729-016-42	TRANSISTOR KTC3199GR-TP	
C604	1-126-964-11	ELECT 10uF 20% 50V		Q607	8-729-016-42	TRANSISTOR KTC3199GR-TP	
C605	1-104-658-91	ELECT 100uF 20% 10V		Q608	8-729-016-42	TRANSISTOR KTC3199GR-TP	
C606	1-162-294-31	CERAMIC 0.001uF 10% 50V		Q609	8-729-016-42	TRANSISTOR KTC3199GR-TP	
C607	1-126-964-11	ELECT 10uF 20% 50V		Q610	8-729-016-42	TRANSISTOR KTC3199GR-TP	
C608	1-104-658-91	ELECT 100uF 20% 10V		Q611	8-729-016-42	TRANSISTOR KTC3199GR-TP	
C609	1-126-961-11	ELECT 2.2uF 20% 50V				< RESISTOR >	
C610	1-126-965-91	ELECT 22uF 20% 50V		R501	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
C611	1-126-965-91	ELECT 22uF 20% 50V		R502	1-216-842-11	METAL CHIP 56K 5% 1/10W	
C612	1-126-969-11	ELECT 220uF 20% 50V		R503	1-216-821-11	METAL CHIP 1K 5% 1/10W	
C613	1-126-964-11	ELECT 10uF 20% 50V		R505	1-216-864-11	SHORT CHIP 0 5% 1/10W	
C614	1-135-928-21	ELECT 2200uF 20% 63V		R506	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
C615	1-135-928-21	ELECT 2200uF 20% 63V		R507	1-216-842-11	METAL CHIP 56K 5% 1/10W	
C616	1-100-597-91	CERAMIC CHIP 0.1uF 10% 25V		R508	1-216-821-11	METAL CHIP 1K 5% 1/10W	
C617	1-130-471-00	MYLAR 0.001uF 5% 50V		R509	1-216-835-11	METAL CHIP 15K 5% 1/10W	
		< CONNECTOR >		R510	1-217-156-00	METAL 0.22 10% 5W	
CN601	1-568-828-11	CONNECTOR, FFC 9P		R511	1-216-845-11	METAL CHIP 100K 5% 1/10W	
CN604	1-564-506-11	PLUG, CONNECTOR 3P		R512	1-260-076-11	CARBON 10 5% 1/2W	
		< DIODE >		R513	1-216-841-11	METAL CHIP 47K 5% 1/10W	
D501	8-719-991-33	DIODE 1SS133T-77		Δ R514	1-215-890-11	METAL OXIDE 470 5% 2W	
D551	8-719-991-33	DIODE 1SS133T-77		R515	1-216-845-11	METAL CHIP 100K 5% 1/10W	
D603	8-719-991-33	DIODE 1SS133T-77		R551	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
D607	8-719-109-85	DIODE RD5.1ESB2		R552	1-216-842-11	METAL CHIP 56K 5% 1/10W	
D608	8-719-991-33	DIODE 1SS133T-77		R553	1-216-821-11	METAL CHIP 1K 5% 1/10W	

HCD-HPX9

AMP

CD

Ref. No.	Part No.	Description	Remark		
R555	1-216-864-11	SHORT CHIP	0		
R556	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R557	1-216-842-11	METAL CHIP	56K	5%	1/10W
R558	1-216-821-11	METAL CHIP	1K	5%	1/10W
R559	1-216-835-11	METAL CHIP	15K	5%	1/10W
R560	1-217-156-00	METAL	0.22	10%	5W
R561	1-216-845-11	METAL CHIP	100K	5%	1/10W
R562	1-260-076-11	CARBON	10	5%	1/2W
R563	1-216-842-11	METAL CHIP	56K	5%	1/10W
△ R564	1-215-890-11	METAL OXIDE	470	5%	2W
R565	1-216-845-11	METAL CHIP	100K	5%	1/10W
R601	1-216-833-11	METAL CHIP	10K	5%	1/10W
R602	1-216-849-11	METAL CHIP	220K	5%	1/10W
R603	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R604	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R605	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
△ R606	1-202-972-61	FUSIBLE	1	5%	1/4W
△ R607	1-202-972-61	FUSIBLE	1	5%	1/4W
△ R608	1-212-881-11	FUSIBLE	100	5%	1/4W
R609	1-216-833-11	METAL CHIP	10K	5%	1/10W
R610	1-216-839-11	METAL CHIP	33K	5%	1/10W
R611	1-216-833-11	METAL CHIP	10K	5%	1/10W
R612	1-216-845-11	METAL CHIP	100K	5%	1/10W
R613	1-216-833-11	METAL CHIP	10K	5%	1/10W
R614	1-216-833-11	METAL CHIP	10K	5%	1/10W
△ R615	1-216-456-00	METAL OXIDE	820	5%	2W
R616	1-216-833-11	METAL CHIP	10K	5%	1/10W
R617	1-216-833-11	METAL CHIP	10K	5%	1/10W
R618	1-216-835-11	METAL CHIP	15K	5%	1/10W
R619	1-216-821-11	METAL CHIP	1K	5%	1/10W
R620	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R621	1-216-845-11	METAL CHIP	100K	5%	1/10W
R622	1-216-837-11	METAL CHIP	22K	5%	1/10W
R624	1-216-821-11	METAL CHIP	1K	5%	1/10W
R625	1-216-809-11	METAL CHIP	100	5%	1/10W
R626	1-216-809-11	METAL CHIP	100	5%	1/10W
R628	1-216-853-11	METAL CHIP	470K	5%	1/10W
< THERMISTOR (POSITIVE) >					
THP823	1-807-796-11	THERMISTOR			

A-4751-431-A	CD BOARD, COMPLETE				

< CAPACITOR >					
C10	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C11	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C14	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C15	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C16	1-115-156-11	CERAMIC CHIP	1uF		10V
C17	1-126-246-11	ELECT CHIP	220uF	20%	4V
C18	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C111	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C112	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C113	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C114	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C115	1-164-360-11	CERAMIC CHIP	0.1uF		16V

Ref. No.	Part No.	Description	Remark			
C116	1-128-995-21	ELECT CHIP	100uF	20%	10V	
C122	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C123	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C124	1-162-959-11	CERAMIC CHIP	330PF	5%	50V	
C125	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C131	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C132	1-117-863-11	CERAMIC CHIP	0.47uF	10%	6.3V	
C133	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C134	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C141	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C142	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V	
C143	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C151	1-128-995-21	ELECT CHIP	100uF	20%	10V	
C161	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C162	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C163	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C171	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C172	1-162-920-11	CERAMIC CHIP	27PF	5%	50V	
C174	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C181	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C182	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C183	1-124-778-00	ELECT CHIP	22uF	20%	6.3V	
C184	1-124-778-00	ELECT CHIP	22uF	20%	6.3V	
C185	1-164-315-11	CERAMIC CHIP	470PF	5%	50V	
C186	1-164-315-11	CERAMIC CHIP	470PF	5%	50V	
C194	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C195	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C196	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C201	1-128-995-21	ELECT CHIP	100uF	20%	10V	
C203	1-128-995-21	ELECT CHIP	100uF	20%	10V	
C209	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C210	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C211	1-164-230-11	CERAMIC CHIP	220PF	5%	50V	
C212	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C213	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C251	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V	
C252	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C255	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C257	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C258	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C259	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C260	1-128-394-11	ELECT CHIP	220uF	20%	10V	
C302	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C303	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C305	1-126-246-11	ELECT CHIP	220uF	20%	4V	
C306	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C307	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C308	1-126-208-21	ELECT CHIP	47uF	20%	4V	
C309	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C310	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C311	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C312	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C313	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C314	1-126-208-21	ELECT CHIP	47uF	20%	4V	
C315	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

CD

CONNECTOR

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C316	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	R303	1-216-845-11	METAL CHIP	100K	5%	1/10W
C317	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R305	1-216-845-11	METAL CHIP	100K	5%	1/10W
C318	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R306	1-216-864-11	SHORT CHIP	0		
C320	1-216-864-11	SHORT CHIP	0			R307	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< CONNECTOR >				R313	1-216-813-11	METAL CHIP	220	5%	1/10W
CN101	1-770-425-11	CONNECTOR, FFC/FPC 16P				R351	1-216-809-11	METAL CHIP	100	5%	1/10W
CN201	1-818-350-11	CONNECTOR (FFC) 27P				R352	1-216-809-11	METAL CHIP	100	5%	1/10W
		< FERRITE BEAD >				R353	1-216-809-11	METAL CHIP	100	5%	1/10W
FB301	1-500-445-21	FERRITE, EMI (SMD) (2012)				R354	1-216-809-11	METAL CHIP	100	5%	1/10W
		< IC >				R401	1-216-809-11	METAL CHIP	100	5%	1/10W
IC101	8-752-425-12	IC CXD3059AR				R402	1-216-809-11	METAL CHIP	100	5%	1/10W
IC251	6-705-808-01	IC BA5947FM				R403	1-216-809-11	METAL CHIP	100	5%	1/10W
IC301	6-705-365-01	IC TC94A34FG-002				R404	1-216-809-11	METAL CHIP	100	5%	1/10W
IC303	6-705-807-01	IC BH15FB1WG				R405	1-216-809-11	METAL CHIP	100	5%	1/10W
		< TRANSISTOR >				R406	1-216-809-11	METAL CHIP	100	5%	1/10W
Q10	6-550-363-01	TRANSISTOR	2SB1690KT146			R407	1-216-809-11	METAL CHIP	100	5%	1/10W
		< RESISTOR >				R408	1-216-809-11	METAL CHIP	100	5%	1/10W
R10	1-216-791-11	METAL CHIP	3.3	5%	1/10W	R409	1-216-809-11	METAL CHIP	100	5%	1/10W
R11	1-216-864-11	SHORT CHIP	0			R410	1-216-809-11	METAL CHIP	100	5%	1/10W
R12	1-216-845-11	METAL CHIP	100K	5%	1/10W	R411	1-216-809-11	METAL CHIP	100	5%	1/10W
R13	1-218-446-11	METAL CHIP	1	5%	1/10W						
R111	1-216-821-11	METAL CHIP	1K	5%	1/10W	R412	1-216-809-11	METAL CHIP	100	5%	1/10W
						R419	1-216-809-11	METAL CHIP	100	5%	1/10W
R112	1-216-835-11	METAL CHIP	15K	5%	1/10W			< VIBRATOR >			
R113	1-216-821-11	METAL CHIP	1K	5%	1/10W	X171	1-767-408-21	VIBRATOR, CRYSTAL 16.9344 MHz			
R114	1-216-835-11	METAL CHIP	15K	5%	1/10W	*****					
R121	1-216-835-11	METAL CHIP	15K	5%	1/10W			CONNECTOR BOARD			
R131	1-216-857-11	METAL CHIP	1M	5%	1/10W			*****			
R132	1-216-833-11	METAL CHIP	10K	5%	1/10W			< CAPACITOR >			
R133	1-216-848-11	METAL CHIP	180K	5%	1/10W	C802	1-126-786-11	ELECT	47uF	20%	16V
R141	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C821	1-126-933-11	ELECT	100uF	20%	16V
R142	1-216-821-11	METAL CHIP	1K	5%	1/10W	C841	1-162-306-11	CERAMIC	0.01uF	20%	16V
R143	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	C851	1-162-306-11	CERAMIC	0.01uF	20%	16V
								< CONNECTOR >			
R151	1-216-864-11	SHORT CHIP	0			CN801	1-568-864-11	CONNECTOR, FFC 21P			
R161	1-216-809-11	METAL CHIP	100	5%	1/10W	CN802	1-568-951-11	PIN, CONNECTOR 2P			
R162	1-216-841-11	METAL CHIP	47K	5%	1/10W	CN805	1-506-468-11	PIN, CONNECTOR 3P			
R163	1-216-809-11	METAL CHIP	100	5%	1/10W	* CN807	1-568-934-11	PIN, CONNECTOR 7P			
R165	1-216-864-11	SHORT CHIP	0			* CN808	1-568-934-11	PIN, CONNECTOR 7P			
								< DIODE >			
R171	1-216-817-11	METAL CHIP	470	5%	1/10W	D801	8-719-109-92	DIODE RD6.2ESB1			
R172	1-216-857-11	METAL CHIP	1M	5%	1/10W	D811	8-719-921-42	DIODE MTZJ-5.1A			
R173	1-216-295-91	SHORT CHIP	0					< IC >			
R181	1-216-809-11	METAL CHIP	100	5%	1/10W	IC801	8-759-598-69	IC BA6956AN			
R182	1-216-809-11	METAL CHIP	100	5%	1/10W	IC811	8-759-598-69	IC BA6956AN			
								< RESISTOR >			
R191	1-216-864-11	SHORT CHIP	0			R801	1-249-413-11	CARBON	470	5%	1/4W
R201	1-500-445-21	FERRITE, EMI (SMD) (2012)				R802	1-247-807-31	CARBON	100	5%	1/4W
R203	1-216-864-11	SHORT CHIP	0			R811	1-249-413-11	CARBON	470	5%	1/4W
R204	1-500-445-21	FERRITE, EMI (SMD) (2012)				R812	1-247-807-31	CARBON	100	5%	1/4W
R205	1-216-864-11	SHORT CHIP	0			R851	1-249-425-11	CARBON	4.7K	5%	1/4W
R251	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R252	1-216-837-11	METAL CHIP	22K	5%	1/10W						
R253	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R301	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R302	1-216-833-11	METAL CHIP	10K	5%	1/10W						

Ref. No.	Part No.	Description			Remark
R852	1-249-429-11	CARBON	10K	5%	1/4W
R853	1-249-425-11	CARBON	4.7K	5%	1/4W
R854	1-249-433-11	CARBON	22K	5%	1/4W
R855	1-249-425-11	CARBON	4.7K	5%	1/4W
R856	1-249-437-11	CARBON	47K	5%	1/4W
R857	1-249-425-11	CARBON	4.7K	5%	1/4W
R858	1-249-429-11	CARBON	10K	5%	1/4W
R859	1-249-425-11	CARBON	4.7K	5%	1/4W
R860	1-249-433-11	CARBON	22K	5%	1/4W
R861	1-249-425-11	CARBON	4.7K	5%	1/4W
R862	1-249-437-11	CARBON	47K	5%	1/4W

DISC ADDRESS SW BOARD

< SWITCH >

S861	1-771-495-01	SWITCH, PUSH
S862	1-771-495-01	SWITCH, PUSH
S863	1-771-495-01	SWITCH, PUSH
S864	1-771-495-01	SWITCH, PUSH
S865	1-771-495-01	SWITCH, PUSH

S866	1-771-495-01	SWITCH, PUSH
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1-688-337-11 DRIVER BOARD

< CAPACITOR >

C705	1-162-306-11	CERAMIC	0.01uF	20%	16V
C711	1-126-964-11	ELECT	10uF	20%	50V

< CONNECTOR >

CN701	1-785-333-11	PIN, CONNECTOR (LIGHT ANGLE) 7P
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< DIODE >

D701	8-719-109-92	DIODE RD6.2ESB1
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< IC >

IC701	8-759-598-69	IC BA6956AN
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< RESISTOR >

R701	1-249-415-11	CARBON	680	5%	1/4W
R702	1-247-807-31	CARBON	100	5%	1/4W

< SWITCH >

S701	1-762-951-13	SWITCH, PUSH
S702	1-762-951-13	SWITCH, PUSH

ELV MOTOR BOARD

Ref. No.	Part No.	Description			Remark
		HEADPHONE BOARD			(included in PANEL (1) board)

		< CAPACITOR >			
C136	1-162-971-11	CERAMIC CHIP	0.001uF	10%	50V
C236	1-162-971-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONNECTOR >			
CN312	1-568-951-11	PIN, CONNECTOR 2P			
		< DIODE >			

D130	8-719-988-61	DIODE 1SS355TE-17
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D131	8-719-988-61	DIODE 1SS355TE-17
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< FERRITE BEAD >

FB122	1-500-445-21	FERRITE, EMI (SMD) (2012)
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< JACK >

J321	1-815-629-11	JACK (♂)
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A-1062-202-A MAIN BOARD, COMPLETE (EA)

A-1062-229-A MAIN BOARD, COMPLETE (E, AUS)

A-1068-563-A MAIN BOARD, COMPLETE (AR)

A-1076-937-A MAIN BOARD, COMPLETE (KR)

A-4751-220-A MAIN BOARD, COMPLETE (US, CND)

< CAPACITOR >

C101	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C102	1-126-964-11	ELECT	10uF	20%	50V
C103	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C105	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C106	1-162-946-11	CERAMIC CHIP	27PF	5%	50V

C107	1-130-479-00	MYLAR	0.0047uF	5%	50V
C109	1-126-964-11	ELECT	10uF	20%	50V
C110	1-126-964-11	ELECT	10uF	20%	50V
C111	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C112	1-162-961-11	CERAMIC CHIP	330PF	10%	50V

C113	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V
C114	1-126-960-11	ELECT	1uF	20%	50V
C115	1-126-964-11	ELECT	10uF	20%	50V
C116	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C117	1-126-964-11	ELECT	10uF	20%	50V

C118	1-126-964-11	ELECT	10uF	20%	50V
C119	1-126-964-11	ELECT	10uF	20%	50V
C122	1-130-476-00	MYLAR	0.0027uF	5%	50V
C123	1-130-499-00	MYLAR	0.22uF	5%	50V
C124	1-126-967-11	ELECT	47uF	20%	50V

C125	1-126-965-91	ELECT	22uF	20%	50V
C128	1-126-964-11	ELECT	10uF	20%	50V
C131	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C133	1-127-888-21	CERAMIC	0.1uF	10%	50V
C133	1-130-495-00	MYLAR	0.1uF	5%	50V

(US, CND)

C134	1-127-888-21	CERAMIC	0.1uF	10%	50V
C134	1-130-495-00	MYLAR	0.1uF	5%	50V

(US, CND)

C135	1-162-306-11	CERAMIC	0.01uF	20%	16V
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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C137	1-126-965-91	ELECT	22uF	20%	50V	C331	1-126-925-91	ELECT	470uF	20%	10V
C138	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C333	1-126-964-11	ELECT	10uF	20%	50V
C141	1-126-964-11	ELECT	10uF	20%	50V	C334	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C201	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C335	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C202	1-126-964-11	ELECT	10uF	20%	50V	C336	1-126-916-11	ELECT	1000uF	20%	6.3V
C203	1-162-963-11	CERAMIC CHIP	680PF	10%	50V	C337	1-127-888-21	CERAMIC	0.1uF	10%	50V
C205	1-162-961-11	CERAMIC CHIP	330PF	10%	50V	C338	1-164-160-11	CERAMIC CHIP	20PF	5%	50V
C206	1-162-946-11	CERAMIC CHIP	27PF	5%	50V	C339	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C207	1-130-479-00	MYLAR	0.0047uF	5%	50V	C340	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C209	1-126-964-11	ELECT	10uF	20%	50V	C342	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C210	1-126-964-11	ELECT	10uF	20%	50V	C343	1-126-927-11	ELECT	2200uF	20%	10V
C211	1-162-961-11	CERAMIC CHIP	330PF	10%	50V	C344	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C212	1-162-961-11	CERAMIC CHIP	330PF	10%	50V	C345	1-128-809-11	CERAMIC	100PF	5%	50V
C213	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V	C346	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C214	1-126-960-11	ELECT	1uF	20%	50V	C347	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C215	1-126-964-11	ELECT	10uF	20%	50V	C348	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C216	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V	C349	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C217	1-126-964-11	ELECT	10uF	20%	50V	C350	1-128-809-11	CERAMIC	100PF	5%	50V
C218	1-126-964-11	ELECT	10uF	20%	50V	C351	1-128-809-11	CERAMIC	100PF	5%	50V
C219	1-126-964-11	ELECT	10uF	20%	50V	C352	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C222	1-130-476-00	MYLAR	0.0027uF	5%	50V	C353	1-126-926-11	ELECT	1000uF	20%	10V
C223	1-130-499-00	MYLAR	0.22uF	5%	50V	C354	1-128-809-11	CERAMIC	100PF	5%	50V
C224	1-126-967-11	ELECT	47uF	20%	50V	C355	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C225	1-126-965-91	ELECT	22uF	20%	50V	C356	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C228	1-126-964-11	ELECT	10uF	20%	50V	C357	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C231	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C358	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C233	1-127-888-21	CERAMIC	0.1uF	10%	50V	C359	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C233	1-130-495-00	MYLAR	0.1uF	5%	50V (US, CND)	C362	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C234	1-127-888-21	CERAMIC	0.1uF	10%	50V	C367	1-126-926-11	ELECT	1000uF	20%	10V
C234	1-130-495-00	MYLAR	0.1uF	5%	50V (US, CND)	C368	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C235	1-162-306-11	CERAMIC	0.01uF	20%	16V	C371	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C237	1-126-965-91	ELECT	22uF	20%	50V	C372	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C238	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C373	1-126-947-11	ELECT	47uF	20%	35V
C241	1-126-964-11	ELECT	10uF	20%	50V	C374	1-126-964-11	ELECT	10uF	20%	50V
C303	1-126-961-11	ELECT	2.2uF	20%	50V	C391	1-127-888-21	CERAMIC	0.1uF	10%	50V
C304	1-126-964-11	ELECT	10uF	20%	50V	C393	1-127-888-21	CERAMIC	0.1uF	10%	50V
C305	1-126-947-11	ELECT	47uF	20%	35V	C394	1-127-888-21	CERAMIC	0.1uF	10%	50V
C306	1-126-964-11	ELECT	10uF	20%	50V	C395	1-126-927-11	ELECT	2200uF	20%	10V
C307	1-104-994-91	MYLAR	0.015uF	5%	200V	C396	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C308	1-130-481-00	MYLAR	0.0068uF	5%	50V	C397	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C309	1-130-481-00	MYLAR	0.0068uF	5%	50V	< CONNECTOR >					
C310	1-137-440-11	MYLAR	0.018uF	5%	50V	* CN301	1-564-511-11	PLUG, CONNECTOR 8P			
C314	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	* CN303	1-564-709-11	PIN, CONNECTOR (SMALL TYPE) 7P			
C317	1-126-965-91	ELECT	22uF	20%	50V	CN304	1-779-295-11	CONNECTOR, FFC (LIF (NON-ZIF)) 27P			
C318	1-126-925-91	ELECT	470uF	20%	10V	CN305	1-568-830-11	CONNECTOR, FFC 11P			
C319	1-126-925-91	ELECT	470uF	20%	10V	CN306	1-568-828-11	CONNECTOR, FFC 9P			
C320	1-126-923-91	ELECT	220uF	20%	10V	* CN307	1-564-515-11	PLUG, CONNECTOR 12P			
C321	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	* CN308	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P			
C322	1-126-923-91	ELECT	220uF	20%	10V	CN309	1-564-509-11	PLUG, CONNECTOR 6P			
C324	1-126-963-11	ELECT	4.7uF	20%	50V	CN310	1-784-778-11	CONNECTOR, FFC 17P			
C325	1-126-925-91	ELECT	470uF	20%	10V	CN313	1-564-506-11	PLUG, CONNECTOR 3P			
C326	1-130-483-00	MYLAR	0.01uF	5%	50V	CN315	1-568-838-11	CONNECTOR, FFC 21P			
C327	1-130-483-00	MYLAR	0.01uF	5%	50V	CN317	1-568-826-11	CONNECTOR, FFC 7P			
C328	1-126-927-11	ELECT	2200uF	20%	10V						
C329	1-126-964-11	ELECT	10uF	20%	50V						
C330	1-126-925-91	ELECT	470uF	20%	10V						

HCD-HPX9

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< DIODE >				< COIL >			
D301	8-719-991-33	DIODE 1SS133T-77		L102	1-422-009-13	COIL, AIR-CORE	
D302	8-719-991-33	DIODE 1SS133T-77		L202	1-422-009-13	COIL, AIR-CORE	
D303	8-719-991-33	DIODE 1SS133T-77		L302	1-410-521-11	INDUCTOR 100uH	
D304	8-719-991-33	DIODE 1SS133T-77		< TRANSISTOR >			
D305	8-719-991-33	DIODE 1SS133T-77		Q102	8-729-107-43	TRANSISTOR 2SC3624-L18	
D306	8-719-991-33	DIODE 1SS133T-77		Q202	8-729-107-43	TRANSISTOR 2SC3624-L18	
D307	8-719-991-33	DIODE 1SS133T-77		Q301	8-729-037-16	TRANSISTOR KRA103M-AT	
D308	8-719-991-33	DIODE 1SS133T-77		Q302	8-729-036-58	TRANSISTOR KRC102M-AT	
D309	8-719-991-33	DIODE 1SS133T-77		Q303	8-729-142-46	TRANSISTOR 2SC2001-LK	
D310	6-500-522-01	DIODE 10EDB40-TA1B2		Q304	8-729-142-46	TRANSISTOR 2SC2001-LK	
D311	6-500-522-01	DIODE 10EDB40-TA1B2		Q305	8-729-801-93	TRANSISTOR 2SD1387-3	
D312	6-500-522-01	DIODE 10EDB40-TA1B2		Q306	8-729-037-03	TRANSISTOR KTA1266GR-AT	
D313	8-719-991-33	DIODE 1SS133T-77		Q307	8-729-036-58	TRANSISTOR KRC102M-AT	
D316	8-719-991-33	DIODE 1SS133T-77		Q308	8-729-037-13	TRANSISTOR KTA1271Y	
D317	8-719-991-33	DIODE 1SS133T-77		Q309	8-729-054-16	TRANSISTOR KRC402-RTK	
D318	8-719-991-33	DIODE 1SS133T-77		Q310	8-729-037-13	TRANSISTOR KTA1271Y	
D319	8-719-991-33	DIODE 1SS133T-77		Q311	8-729-054-16	TRANSISTOR KRC402-RTK	
D325	8-719-991-33	DIODE 1SS133T-77		Q312	8-729-040-76	TRANSISTOR KTA1273-Y-AT	
D326	8-719-991-33	DIODE 1SS133T-77		Q313	8-729-038-67	TRANSISTOR KRC102S	
D327	8-719-991-33	DIODE 1SS133T-77		Q314	8-729-016-42	TRANSISTOR KTC3199GR-TP	
D328	8-719-921-88	DIODE MTZJ-13B		Q315	8-729-040-76	TRANSISTOR KTA1273-Y-AT	
D329	8-719-988-61	DIODE 1SS355TE-17		Q316	8-729-016-42	TRANSISTOR KTC3199GR-TP	
D330	8-719-988-61	DIODE 1SS355TE-17		Q317	8-729-038-54	TRANSISTOR KRA102S	
D331	6-500-522-01	DIODE 10EDB40-TA1B2		Q318	8-729-038-67	TRANSISTOR KRC102S	
< EARTH TERMINAL >				Q319	8-729-040-76	TRANSISTOR KTA1273-Y-AT	
EP200	1-537-770-21	TERMINAL BOARD, GROUND		Q320	8-729-038-67	TRANSISTOR KRC102S	
EP201	1-537-770-21	TERMINAL BOARD, GROUND		Q321	8-729-036-58	TRANSISTOR KRC102M-AT	
< FERRITE BEAD >				Q322	8-729-037-13	TRANSISTOR KTA1271Y	
FB301	1-412-473-21	INDUCTOR (SMALL TYPE)		Q323	8-729-038-67	TRANSISTOR KRC102S	
FB302	1-216-864-11	SHORT CHIP 0		Q324	8-729-028-54	TRANSISTOR KTC3205	
FB303	1-216-864-11	SHORT CHIP 0		< RESISTOR >			
FB304	1-216-864-11	SHORT CHIP 0		R101	1-216-821-11	METAL CHIP 1K 5%	1/10W
FB305	1-216-864-11	SHORT CHIP 0		R102	1-216-841-11	METAL CHIP 47K 5%	1/10W
FB306	1-216-864-11	SHORT CHIP 0		R103	1-216-830-11	METAL CHIP 5.6K 5%	1/10W
FB307	1-500-445-21	FERRITE, EMI (SMD) (2012)		R104	1-216-833-11	METAL CHIP 10K 5%	1/10W
FB308	1-500-445-21	FERRITE, EMI (SMD) (2012)		R105	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
FB309	1-500-445-21	FERRITE, EMI (SMD) (2012)		R106	1-216-841-11	METAL CHIP 47K 5%	1/10W
< IC >				R107	1-216-845-11	METAL CHIP 100K 5%	1/10W
IC301	8-759-508-69	IC BA3126N		R108	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
IC302	6-705-622-01	IC BD3402KS2		R109	1-216-851-11	METAL CHIP 330K 5%	1/10W
IC304	8-759-701-59	IC NJM78M09FA		R110	1-216-853-11	METAL CHIP 470K 5%	1/10W
IC305	6-801-402-01	IC BD4729GTR		R111	1-216-812-11	METAL CHIP 180 5%	1/10W
IC306	6-804-180-01	IC M3062CMEN-A02FPUO		R112	1-216-830-11	METAL CHIP 5.6K 5%	1/10W
< JACK >				R113	1-216-847-11	METAL CHIP 150K 5%	1/10W
J301	1-764-593-21	JACK 2P (MD/VIDEO)		R114	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
< JUMPER RESISTOR >				R118	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
JW200	1-216-864-11	SHORT CHIP 0		R120	1-216-841-11	METAL CHIP 47K 5%	1/10W
JW241	1-216-864-11	SHORT CHIP 0		R122	1-260-076-11	CARBON 10 5%	1/2W
JW302	1-216-864-11	SHORT CHIP 0		R123	1-216-821-11	METAL CHIP 1K 5%	1/10W
				R124	1-216-845-11	METAL CHIP 100K 5%	1/10W
				R126	1-249-429-11	CARBON 10K 5%	1/4W
				R127	1-216-821-11	METAL CHIP 1K 5%	1/10W
				R128	1-216-829-11	METAL CHIP 4.7K 5%	1/10W

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R201	1-216-821-11	METAL CHIP	1K	5%	1/10W	R341	1-216-841-11	METAL CHIP	47K	5%	1/10W
R202	1-216-841-11	METAL CHIP	47K	5%	1/10W	R342	1-216-841-11	METAL CHIP	47K	5%	1/10W
R203	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R343	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R344	1-216-841-11	METAL CHIP	47K	5%	1/10W
R204	1-216-833-11	METAL CHIP	10K	5%	1/10W	R345	1-216-841-11	METAL CHIP	47K	5%	1/10W
R205	1-216-825-11	METAL CHIP	2.2K	5%	1/10W						
R206	1-216-841-11	METAL CHIP	47K	5%	1/10W	R346	1-216-841-11	METAL CHIP	47K	5%	1/10W
R207	1-216-845-11	METAL CHIP	100K	5%	1/10W	R347	1-216-841-11	METAL CHIP	47K	5%	1/10W
R208	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R348	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R350	1-249-425-11	CARBON	4.7K	5%	1/4W
R209	1-216-851-11	METAL CHIP	330K	5%	1/10W	R358	1-216-841-11	METAL CHIP	47K	5%	1/10W
R210	1-216-853-11	METAL CHIP	470K	5%	1/10W						
R211	1-216-812-11	METAL CHIP	180	5%	1/10W	R359	1-216-841-11	METAL CHIP	47K	5%	1/10W
R212	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R360	1-216-841-11	METAL CHIP	47K	5%	1/10W
R213	1-216-847-11	METAL CHIP	150K	5%	1/10W	R361	1-249-429-11	CARBON	10K	5%	1/4W
						R362	1-249-429-11	CARBON	10K	5%	1/4W
R214	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R363	1-216-833-11	METAL CHIP	10K	5%	1/10W
R218	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
R220	1-216-841-11	METAL CHIP	47K	5%	1/10W	R364	1-216-833-11	METAL CHIP	10K	5%	1/10W (E, EA, AR, AUS)
R222	1-260-076-11	CARBON	10	5%	1/2W	R364	1-249-425-11	CARBON	4.7K	5%	1/4W
R223	1-216-821-11	METAL CHIP	1K	5%	1/10W	R365	1-216-815-11	METAL CHIP	330	5%	1/10W
						R366	1-247-831-91	CARBON	1K	5%	1/4W
R224	1-216-845-11	METAL CHIP	100K	5%	1/10W						(EA)
R226	1-249-429-11	CARBON	10K	5%	1/4W	R366	1-249-425-11	CARBON	4.7K	5%	1/4W (US, CND)
R227	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R228	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
R301	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
△ R302	1-212-851-00	FUSIBLE	5.6	5%	1/4W	R367	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (US, CND)
△ R303	1-212-851-00	FUSIBLE	5.6	5%	1/4W	R367	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (EA)
R304	1-216-836-11	METAL CHIP	18K	5%	1/10W						
R305	1-216-836-11	METAL CHIP	18K	5%	1/10W	R368	1-247-843-11	CARBON	3.3K	5%	1/4W
R306	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R369	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
						R370	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R307	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W						
R308	1-216-837-11	METAL CHIP	22K	5%	1/10W	R372	1-249-437-11	CARBON	47K	5%	1/4W
R309	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R373	1-249-437-11	CARBON	47K	5%	1/4W
R310	1-216-833-11	METAL CHIP	10K	5%	1/10W	R374	1-216-841-11	METAL CHIP	47K	5%	1/10W
R311	1-216-841-11	METAL CHIP	47K	5%	1/10W	R375	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R377	1-216-833-11	METAL CHIP	10K	5%	1/10W
R312	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R314	1-216-841-11	METAL CHIP	47K	5%	1/10W	R378	1-216-833-11	METAL CHIP	10K	5%	1/10W
R315	1-216-821-11	METAL CHIP	1K	5%	1/10W	R379	1-216-833-11	METAL CHIP	10K	5%	1/10W
R318	1-249-429-11	CARBON	10K	5%	1/4W	R381	1-216-841-11	METAL CHIP	47K	5%	1/10W
R319	1-216-837-11	METAL CHIP	22K	5%	1/10W	R382	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R390	1-216-841-11	METAL CHIP	47K	5%	1/10W
R320	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R321	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R391	1-216-841-11	METAL CHIP	47K	5%	1/10W
R322	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R393	1-216-841-11	METAL CHIP	47K	5%	1/10W
R323	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R394	1-216-821-11	METAL CHIP	1K	5%	1/10W
R324	1-216-833-11	METAL CHIP	10K	5%	1/10W	R395	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R396	1-216-839-11	METAL CHIP	33K	5%	1/10W
R325	1-249-429-11	CARBON	10K	5%	1/4W						
R326	1-216-845-11	METAL CHIP	100K	5%	1/10W	R397	1-216-817-11	METAL CHIP	470	5%	1/10W
R327	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R401	1-216-809-11	METAL CHIP	100	5%	1/10W
R328	1-216-833-11	METAL CHIP	10K	5%	1/10W	R402	1-216-809-11	METAL CHIP	100	5%	1/10W
R329	1-216-845-11	METAL CHIP	100K	5%	1/10W	R404	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R405	1-216-809-11	METAL CHIP	100	5%	1/10W
R330	1-216-813-11	METAL CHIP	220	5%	1/10W						
R331	1-216-833-11	METAL CHIP	10K	5%	1/10W	R406	1-216-809-11	METAL CHIP	100	5%	1/10W
R332	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R409	1-216-833-11	METAL CHIP	10K	5%	1/10W
R333	1-216-837-11	METAL CHIP	22K	5%	1/10W	R411	1-216-821-11	METAL CHIP	1K	5%	1/10W
R334	1-216-841-11	METAL CHIP	47K	5%	1/10W	R412	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R413	1-216-864-11	SHORT CHIP	0		
R335	1-249-429-11	CARBON	10K	5%	1/4W						
R336	1-216-809-11	METAL CHIP	100	5%	1/10W						
R337	1-216-809-11	METAL CHIP	100	5%	1/10W						
R339	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R340	1-216-841-11	METAL CHIP	47K	5%	1/10W						

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

HCD-HPX9

Ver. 1.3

MAIN

MOTOR LOD

PANEL (1)

Ref. No.	Part No.	Description			Remark
R417	1-216-833-11	METAL CHIP	10K	5%	1/10W
R418	1-247-807-31	CARBON	100	5%	1/4W
R419	1-247-807-31	CARBON	100	5%	1/4W
R420	1-216-841-11	METAL CHIP	47K	5%	1/10W
R422	1-216-809-11	METAL CHIP	100	5%	1/10W
R423	1-216-809-11	METAL CHIP	100	5%	1/10W
R424	1-216-809-11	METAL CHIP	100	5%	1/10W
R425	1-216-809-11	METAL CHIP	100	5%	1/10W
R426	1-216-809-11	METAL CHIP	100	5%	1/10W
R427	1-216-809-11	METAL CHIP	100	5%	1/10W
R428	1-216-809-11	METAL CHIP	100	5%	1/10W
R429	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R430	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R432	1-216-809-11	METAL CHIP	100	5%	1/10W
R433	1-216-809-11	METAL CHIP	100	5%	1/10W
R434	1-216-809-11	METAL CHIP	100	5%	1/10W
R435	1-216-809-11	METAL CHIP	100	5%	1/10W
R436	1-216-809-11	METAL CHIP	100	5%	1/10W
R437	1-216-809-11	METAL CHIP	100	5%	1/10W
R438	1-216-809-11	METAL CHIP	100	5%	1/10W
R439	1-216-809-11	METAL CHIP	100	5%	1/10W
R440	1-216-809-11	METAL CHIP	100	5%	1/10W
R441	1-216-809-11	METAL CHIP	100	5%	1/10W
R442	1-216-809-11	METAL CHIP	100	5%	1/10W
R443	1-216-809-11	METAL CHIP	100	5%	1/10W
R444	1-216-809-11	METAL CHIP	100	5%	1/10W
R445	1-216-809-11	METAL CHIP	100	5%	1/10W
R446	1-216-809-11	METAL CHIP	100	5%	1/10W
R447	1-216-809-11	METAL CHIP	100	5%	1/10W
R448	1-216-809-11	METAL CHIP	100	5%	1/10W
R449	1-216-809-11	METAL CHIP	100	5%	1/10W
R450	1-216-809-11	METAL CHIP	100	5%	1/10W
R451	1-216-809-11	METAL CHIP	100	5%	1/10W
R452	1-216-809-11	METAL CHIP	100	5%	1/10W
R453	1-216-809-11	METAL CHIP	100	5%	1/10W
R455	1-216-809-11	METAL CHIP	100	5%	1/10W
R457	1-216-809-11	METAL CHIP	100	5%	1/10W
R458	1-216-809-11	METAL CHIP	100	5%	1/10W
R459	1-216-809-11	METAL CHIP	100	5%	1/10W
R460	1-216-809-11	METAL CHIP	100	5%	1/10W
R461	1-216-809-11	METAL CHIP	100	5%	1/10W
R463	1-216-809-11	METAL CHIP	100	5%	1/10W
R465	1-216-809-11	METAL CHIP	100	5%	1/10W
R468	1-216-809-11	METAL CHIP	100	5%	1/10W
R469	1-216-809-11	METAL CHIP	100	5%	1/10W
R472	1-216-809-11	METAL CHIP	100	5%	1/10W
R474	1-216-857-11	METAL CHIP	1M	5%	1/10W
R475	1-216-809-11	METAL CHIP	100	5%	1/10W
R482	1-216-809-11	METAL CHIP	100	5%	1/10W
R484	1-216-809-11	METAL CHIP	100	5%	1/10W
R489	1-216-864-11	SHORT CHIP	0		
R490	1-216-864-11	SHORT CHIP	0		
R491	1-216-864-11	SHORT CHIP	0		
R494	1-247-807-31	CARBON	100	5%	1/4W
R495	1-247-807-31	CARBON	100	5%	1/4W
R496	1-249-429-11	CARBON	10K	5%	1/4W
< VARIABLE RESISTOR >					
RV101	1-241-768-11	RES, ADJ CERMET	220K		
RV201	1-241-768-11	RES, ADJ CERMET	220K		

Ref. No.	Part No.	Description	Remark
		< RELAY >	
RY301	1-515-920-11	RELAY (24V)	
		< SWITCH >	
S301	1-771-264-11	SWITCH, PUSH (DETECTION) (1 KEY)	
		< TRANSFORMER >	
T101	1-419-080-21	COIL	
T201	1-419-080-21	COIL	
T301	1-423-980-11	TRANSFORMER, BIAS OSCILLATION	
		< TERMINAL >	
TM301	1-536-708-81	TERMINAL BOARD, PUSH (4P) (SPEAKER IMPEDANCE USE 6-16 Ω)	
		< VIBRATOR >	
X301	1-760-252-12	VIBRATOR, CRYSTAL 32.768 kHz	
X302	1-781-107-21	VIBRATOR, CERAMIC 16 MHz	

		MOTOR LOD BOARD	

	A-1062-192-A	PANEL (1) BOARD, COMPLETE (EA) (including PANEL (2), HEADPHONE and POWER board)	
	A-1062-226-A	PANEL (1) BOARD, COMPLETE (E) (including PANEL (2), HEADPHONE and POWER board)	
	A-1062-231-A	PANEL (1) BOARD, COMPLETE (AUS) (including PANEL (2), HEADPHONE and POWER board)	
	A-1062-233-A	PANEL (1) BOARD, COMPLETE (AR) (including PANEL (2), HEADPHONE and POWER board)	
	A-1076-938-A	PANEL (1) BOARD, COMPLETE (KR) (including PANEL (2), HEADPHONE and POWER board)	
	A-4751-221-A	PANEL (1) BOARD, COMPLETE (US, CND) (including PANEL (2), HEADPHONE and POWER board)	

4-249-151-01		HOLDER, FL TUBE	
		< CAPACITOR >	
C804	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V
C805	1-126-964-11	ELECT 10uF	20% 50V
C806	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V
C807	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V
C820	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C821	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C822	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C823	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C824	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C825	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C826	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C827	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C828	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C829	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C830	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C831	1-162-960-11	CERAMIC CHIP 220PF	10% 50V
C832	1-126-964-11	ELECT 10uF	20% 50V
C833	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C834	1-162-971-11	CERAMIC CHIP 0.001uF	10% 50V
C835	1-162-927-11	CERAMIC CHIP 100PF	5% 50V

PANEL (2) BOARD
(included in PANEL (1) board)

HCD-HPX9

Ver. 1.3

PANEL (2)						POWER						SW (A)						SW (B)						SW (C)						SW (D)											
Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark							
< RESISTOR >							< FUSE HOLDER >							< IC >							< RESISTOR >							< RELAY >							< SWITCH >						
R821	1-216-813-11	METAL CHIP	220	5%	1/10W		FH903	1-533-233-31	FUSE HOLDER			IC901	8-759-231-57	IC	TA7810S		R901	1-249-417-11	CARBON	1K	5%	1/4W		△ R906	1-219-237-51	CARBON	3.3M	5%	1/2W												
R822	1-216-815-11	METAL CHIP	330	5%	1/10W		FH912	1-533-233-31	FUSE HOLDER			IC902	8-759-071-48	IC	TA7807S		R902	1-249-417-11	CARBON	1K	5%	1/4W		R909	1-249-421-11	CARBON	2.2K	5%	1/4W												
R823	1-216-817-11	METAL CHIP	470	5%	1/10W		FH921	1-533-233-31	FUSE HOLDER			IC903	6-701-760-01	IC	uPC3504AHF		△ R903	1-219-121-11	FUSIBLE	0.22	5%	1/4W		< SW (A) BOARD >							< SW (B) BOARD >										
R824	1-216-819-11	METAL CHIP	680	5%	1/10W		FH922	1-533-233-31	FUSE HOLDER			< RESISTOR >							△ R904	1-219-121-11	FUSIBLE	0.22	5%	1/4W		< SWITCH >							< SW (C) BOARD >								
R825	1-216-821-11	METAL CHIP	1K	5%	1/10W		< SWITCH >							< RESISTOR >							△ R905	1-202-973-61	FUSIBLE	3.3	5%	1/4W		< SWITCH >							< SW (D) BOARD >						
< SWITCH >							< IC >							< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >						
S721	1-762-875-21	SWITCH, KEYBOARD (■ TAPE)					< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
S722	1-762-875-21	SWITCH, KEYBOARD (● REC)					< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
S723	1-762-875-21	SWITCH, KEYBOARD (CD SYNC)					< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
S724	1-762-875-21	SWITCH, KEYBOARD (REPEAT/FM MODE)					< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
S725	1-762-875-21	SWITCH, KEYBOARD					< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
(PLAY MODE TUNING MODE)							< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
*****							< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
POWER BOARD, COMPLETE							< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
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7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S						< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
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C901	1-126-925-91	ELECT	470uF	20%	10V		< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
C902	1-126-944-11	ELECT	3300uF	20%	25V		< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
C903	1-126-925-91	ELECT	470uF	20%	10V		< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
C904	1-126-925-91	ELECT	470uF	20%	10V		< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
C905	1-126-944-11	ELECT	3300uF	20%	25V		< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
C907	1-130-495-00	MYLAR	0.1uF	5%	50V		< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
C909	1-130-495-00	MYLAR	0.1uF	5%	50V		< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
C912	1-126-969-11	ELECT	220uF	20%	50V		< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
C913	1-130-495-00	MYLAR	0.1uF	5%	50V		< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
C914	1-130-495-00	MYLAR	0.1uF	5%	50V		< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
C915	1-126-964-11	ELECT	10uF	20%	50V		< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
△ C916	1-113-924-11	CERAMIC	0.0047uF	20%	250V		< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
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* CN902	1-564-510-11	PLUG, CONNECTOR 7P					< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
CN903	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P					< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
CN904	1-774-108-11	PIN, CONNECTOR (PC BOARD)					< RESISTOR >							< RELAY >							< SWITCH >							< SWITCH >							< SWITCH >						
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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS *****	
9	1-796-352-51	DECK, MECHANICAL (CMAL5Z225A)	
101	1-693-625-11	TUNER (FM/AM) (US, CND)	
101	1-693-628-11	TUNER (FM/AM) (E, EA, AR, AUS)	
101	1-693-629-11	TUNER (FM/AM) (KR)	
102	1-787-103-11	FAN, DC	
△ 103	1-696-570-21	CORD, POWER (EA)	
△ 103	1-769-079-41	CORD, POWER (KR)	
△ 103	1-775-790-12	CORD, POWER (AUS)	
△ 103	1-783-531-22	CORD, POWER (US, CND)	
△ 103	1-783-941-22	CORD, POWER (AR)	
△ 103	1-827-226-11	CORD, POWER (E)	
105	1-468-738-11	REGULATOR, SWITCHING	
116	1-564-510-11	PLUG, CONNECTOR 7P	
117	1-564-515-11	PLUG, CONNECTOR 12P	
△ 1206	8-820-244-01	OPTICAL PICK-UP (KSM-215DCP)	
1208	1-827-992-11	WIRE (FLAT TYPE) (16 CORE)	
△ F901	1-533-453-12	FUSE, GLASS TUBE (DIA. 5) (T5AL/125V) (US, CND)	
△ F901	1-533-472-12	FUSE, GLASS TUBE (DIA. 5) (T5AL/250V) (E, EA, AR, AUS, KR)	
△ F902	1-533-453-12	FUSE, GLASS TUBE (DIA. 5) (T5AL/125V) (US, CND)	
△ F902	1-533-472-12	FUSE, GLASS TUBE (DIA. 5) (T5AL/250V) (E, EA, AR, AUS, KR)	
△ F903	1-533-467-12	FUSE, GLASS TUBE (DIA. 5) (T1.6AL/250V) (E, EA)	
M701	X-2021-530-1	MOTOR (PULLEY) ASSY (LOD)	
M881	A-1060-630-A	MOTOR ASSY (ELV)	
M871	A-1060-630-A	MOTOR ASSY (LOD)	
S101	1-771-853-11	SWITCH, DETECTION (LIMIT)	
S881	1-478-706-11	ENCODER, ROTARY	
△ T901	1-443-330-11	TRANSFORMER, POWER (US, CND)	
△ T901	1-443-333-11	TRANSFORMER, POWER (E, AR, AUS, KR)	
△ T901	1-443-418-11	TRANSFORMER, POWER (EA)	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REVISION HISTORY

Clicking the version allows you to jump to the revised page.

Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

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